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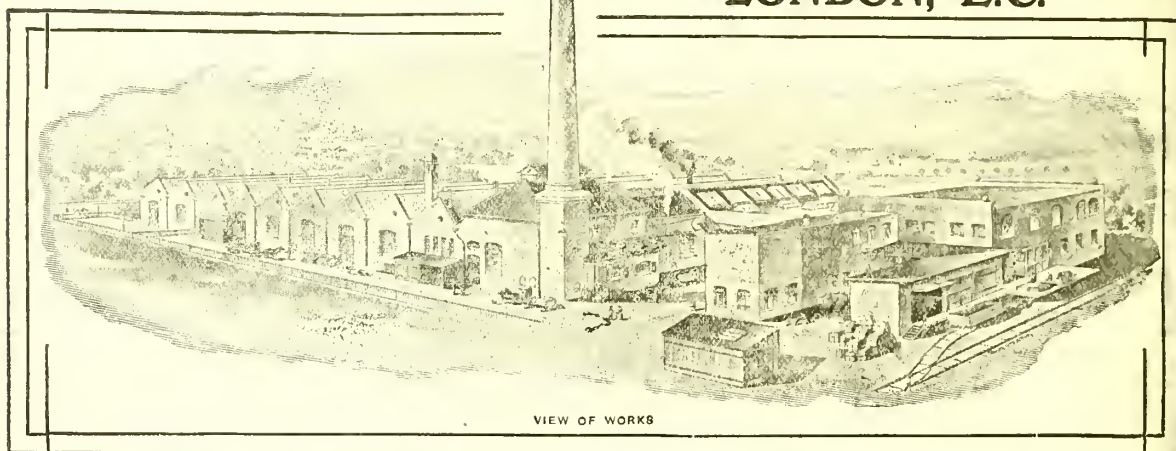
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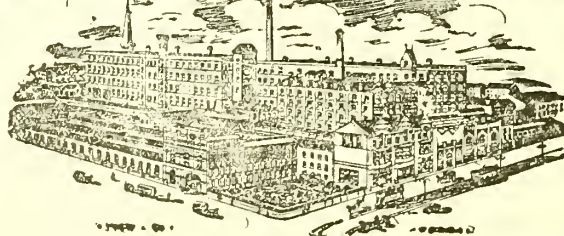
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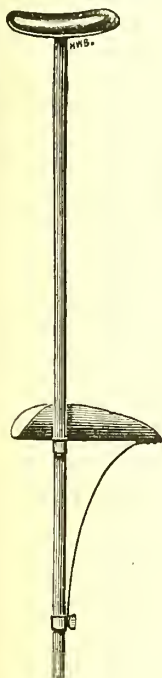
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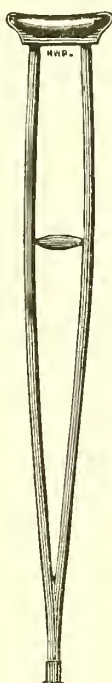
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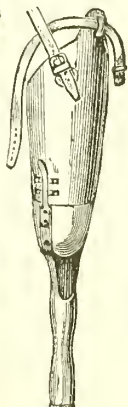
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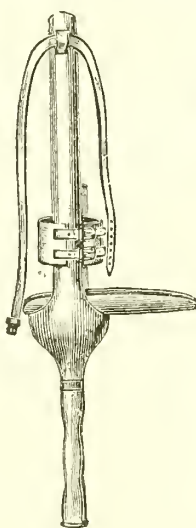
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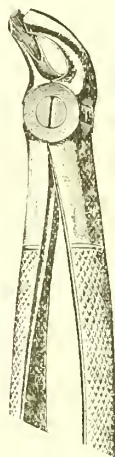
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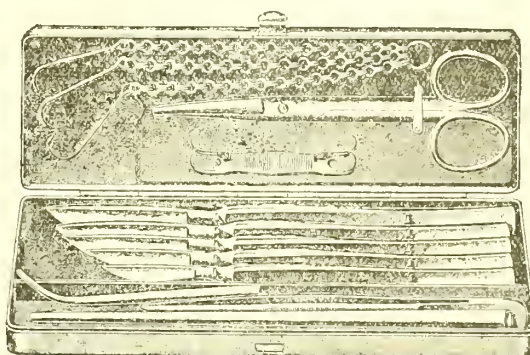
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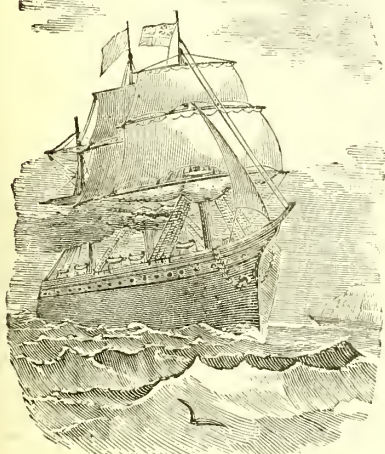
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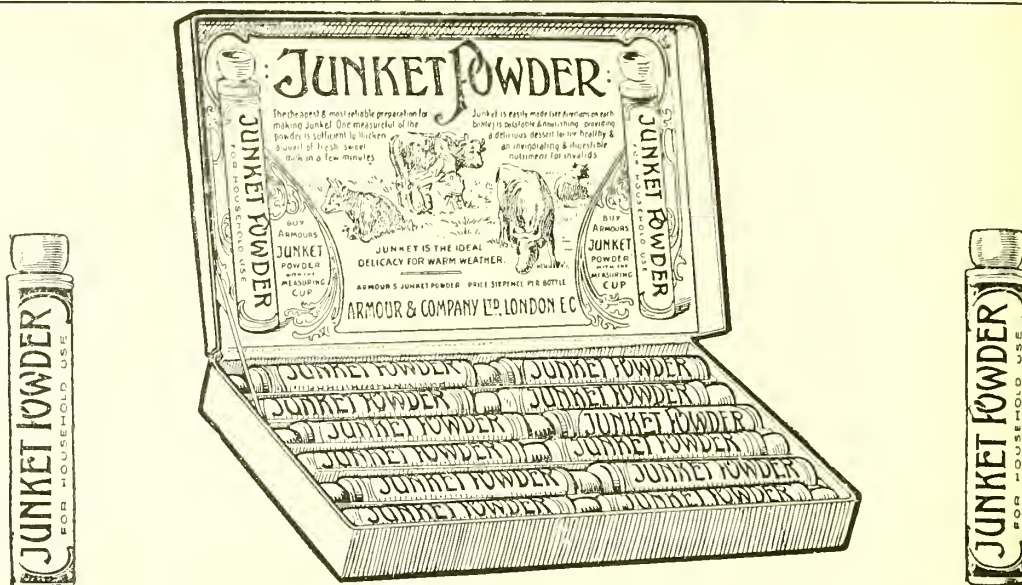
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BRANCH OFFICES: MELBOURNE, SYDNEY, AND ADELAIDE, AUSTRALIA

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THE BUYERS' GUIDE.

In this section, under appropriate headings, are given the names of firms advertising in this or other issues of the month. No charge is made to advertisers for the insertion of their names, but only those who have contracts current for advertising in this journal are mentioned. The headings refer generally to the classes of goods actually advertised, but this is not a detailed Guide such as appears in "The Chemists' and Druggists' Diary." Inquiries addressed to the "Information Department," THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., regarding articles not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

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London College of Pharmacy
Manchester College of Pharmacy
Muter's (So. Lond.) School
North of England School
Northern College of Pharmacy
South of England College**E-ASTIC HOSIERY**Ayrton, Saunders & Co., Ltd.
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Surgical Hosiery Co., Ltd.
Wood, Vincent**EFFERVESCENT PREPS.**Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Bishop, Alfred, Ltd.
Blackie, R.
Bristol-Myers Co.
British Drug Houses, Ltd.
Butler, T. E., Son, & Co.
Cox, A. H. & Co., Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Guest, Thos., & Co.
Howards & Sons, Ltd.
Kutnow, S., & Co., Ltd.
Newhall & Mason
Potter & Clarke, Ltd.
Shirley Bros., Ltd.
Standard Tablet & Pill Co.
Sturge, John & E.
Tyrer, T., & Co., Ltd.
Wright, Layman & Umney, Ltd.
EMBROCATIONS
Chameleon Oil Co., Ltd.

MERY AND CLOTH

Oakey, J., & Sons, Ltd.
MULSIONS, C.L.O., ETC.
 Allen & Hanbury, Ltd.
 Ayrton, Saunders & Co., Ltd.
 Balas Bros. & Stevenson, Ltd.
 Blackie, Robert
 British Drug Houses, Ltd.
 Faulding, F. H., & Co.
 Harker, Stagg & Morgan, Ltd.
 Oldfield, Pattinson & Co.
 Parke, Davis & Co.
 Scott & Bowne, Ltd.
 Southall Bros. & Barclay, Ltd.
 Woolley, Jas., Sons & Co.
 Wright, Layman & Umney, Ltd.

MEMAS

Bailey, W. H., & Son
 Burge, Warren & Ridgley, Ltd.
 Dovol Rubber Co.
 Maw, S., Son & Sons
 Toogood, W., Ltd.
 Varne, W., & Co. Ltd.

ATOMOLOG. APPARATUS

Vatkins & Donoaster

SOM SALTS

Howards & Sons, Ltd.

IBENCES, CONCRETE

Lautier Fils

IBENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
 Barnett & Foster
 Oake, Roberts & Co., Ltd.
 Oush, W. J., & Co., Ltd.
 Puerst Bros.
 Ray, Wm., Ltd.
 Lautier Fils
 London Essence Co.
 Newball & Mason
 Denoer, J., Son & Co.
 Stevenson & Howell, Ltd.
 Zimmermann, A. & M.

BIERS

Alas Bros. & Stevenson, Ltd.
 Ascarian, J. F., & Co.
 Ay & Baker, Ltd.
 Ayer, T., & Co., Ltd.
 Brite, A., & Sons

EALYPTUS OIL

Alas Bros. & Stevenson, Ltd.
 British Drug Houses, Ltd.

EXTRACT OF HERBS

Newball & Mason
 Potter & Clarke, Ltd.

EXTRACTS (MEDICINAL)

Allen, Stafford, & Sons, Ltd.
 Evans Sons Lescher & Webb
 (Thergood's) Exor.
 Hewlett, C. J., & Son, Ltd.
 Parke, Davis & Co.
 Ransom, W., & Son
 Royal Pharmaceutical Trading
 Society

FEHING BOTTLES

Brite, H., & Co., Ltd.
 Evans Sons Lescher & Webb, Ltd.
 Henden, R., & Sons, Ltd.
 Harker Bros., Ltd.
 Maw, S., Son & Sons
 Puerst Bros.
 Southall Bros. & Barclay, Ltd.

FEILISERS

Nes Kalisyndikat
 Vd., Walter, & Co.

FLIERS

Belfield Filter Co., Ltd.

FINER STALLS

Scort Bros.

FLEA GLOVES

Bakers
 Scort Bros.

FLYATCHERS

Alastine Co. (British), Ltd.
 Chitty Strong
 Desmère Manfg. Co.
 Fox Shapland & Co.
 Frein, C.
 Johnson, W. & H.
 Kibros, Ltd.
 Smith, J. H., & Co.
 Turridge & Wright

FOOS, INFANTS'

Allen & Hanbury, Ltd.
 Benger's Food, Ltd.
 Frie Food Co., Ltd.
 Lohouse & Saltmer
 Natural Food Co., Ltd.
 Wima, Francis B. & T.

FRUITSYRUPS

Idd & Co., Ltd.

FOODS, SPECIAL

Allen & Hanbury, Ltd.
 Benger's Food, Ltd.
 Brand & Co., Ltd.
 Brusson Jeune
 Callard & Co.
 Cox, Arthur H., & Co., Ltd.
 Fairchild Bros. & Foster
 Frame Food Co., Ltd.
 Menley & James, Ltd.
 Natural Food Co., Ltd.
 Wander, A., Ltd.

FULLER'S EARTH

Mumford, G. S., & Sons

FUMIGATORS

Sanitas Co., Ltd.

GLAUBER'S SALT

Bramwell, E., & Son
 Howards & Sons, Ltd.

GLYCERIN

Fuerst Bros.
 Meffert, Hermann & Co.
 Price's Patent Candle Co.
 Steven, Andrew, & Son

GLYCERIN PLANT

Forshaw, E., & Son, Ltd.

GLYCEROPHOSPHATES

Merck, E.

GOLD PAINT

Judson, L., & Son

GRINDERS, DRUG, ETC.

Allen, Stafford, & Sons, Ltd.
 Goodall, Backhouse & Co.
 Willows, Francis B. & T.

GUMS

Fink, F., & Co.
 Kidston, W. M., & Co.

HAIR DYES

Blackie, Robert
 Harker, Stagg & Morgan, Ltd.

HAIR PREPARATIONS

Bates, F. W.
 Blackie, Robert
 Chesebrough Manfg. Co.
 Dralle, Georg
 Edwards' "Harlene" Co.
 Egglossa Mnf. Co.
 Harker, Stagg & Morgan, Ltd.
 Herpicide Co.
 John Strange Winter
 Robare's Aureoline
 To-Kalon Mnf. Co., Ltd.

HAT DYES

Whitaker & Co.

HAT RENOVATORS

Christy, Thos., & Co.

HEATING APPARATUS

Clark's Syphon Stove Co., Ltd.

HERBS

Brook, Parker & Co., Ltd.
 Potter & Clarke, Ltd.
 Ransom, W., & Son
HOMOEOPATHIC MEDICINES
 Ashton & Parsons, Ltd.
 Epps, James, & Co.
 Keene & Ashwell, Ltd.
 Leath & Ross

HOTELS

Edmond Hotel
 Kingsley Hotel
 Thackeray Hotel

HOT-WATER BOTTLES

Berliner, Arthur
 Burge, Warren & Ridgley
 Galen Mfg. Co., Ltd.
 Hutchinson Co.
 May, Roberts & Co.
 Newbery, F., & Sons, Ltd.
 Southall Bros. & Barclay
 Tompkins, James, Ltd.

HYDROGEN PEROXIDE

May & Baker, Ltd.
 Sanitas Co., Ltd.
 Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES

May & Baker, Ltd.
 Tyrer, T., & Co., Ltd.

INHALERS

Maw, S., Son & Sons

INK POWDERS

Williams Bros. & Co.

INSECT POWDER

Shirley Bros., Ltd.

INSECTICIDES

Christy, Thos., & Co.
 Tomlinson & Hayward, Ltd.
 Voss, Walter, & Co.

INVALID CHAIRS

Ellmore, W. T., & Son, Ltd.

IODINE AND IODIDES

Howards & Sons, Ltd.
 Morson, T., & Son

IRISH MOSS

Cumming, J. W.

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Breitt, E., & Co., Ltd.
 Bush, H. W., & Co., Ltd.
 Johnsen & Jorgensen Ltd.
 Kilner Bros., Ltd.
 Maw, S., Son & Sons
 Pothe, H., & Co.
 Reuter, R. J.
 Stipendum Stopper Co.
 Toogood, W., Ltd.

JUNKET POWDER

Armour & Co., Ltd.
 Fullwood, R. J., & Bland

LACTIC FERMENT PREPS.

Allen & Hanbury, Ltd.
 Cox, Arthur H., & Co., Ltd.
 Davies Sons & Co.
 Evans Sons Lescher & Webb, Ltd.
 Lloyd, T. Howard, & Co.
 Martindale, W.
 Parke, Davis & Co.
 Standard Tablet Co.
 Wilcox, Jozeau & Co.

LANOLINE

Burroughs Wellcome & Co.

LARD

Ewen, J., & Sons

LEATHER DYES

Williams Bros. & Co.

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb
 Goodall, Backhouse & Co.

LINSEED, CRUSHED, ETC.

Allen, Stafford, & Sons
 Mumford, G. S., & Sons

LINTS

Liverpool Lint Co.
 Robinson & Sons, Ltd.
 Taylor, W. G.
 Vernon & Co., Ltd.

LIQUORICE JUICE

British Drug Houses, Ltd.
 Fuerst Bros.
 Evans Sons Lescher & Webb, Ltd.
 Jackson, E. E.
 Mumford, G. S., & Sons

LIQUORS, CONC., ETC.

Fletcher, Fletcher & Co.
 Hewlett, C. J., & Son
 Robinson, B., & Co.

LITHIA SALTS

British Drug Houses, Ltd.
 Fuerst Bros.
 May & Baker, Ltd.
 Merck, E.

LOZENGES

Ayrton, Saunders & Co., Ltd.
 Cox, A. H., & Co., Ltd.
 Denoual, J., & Co.
 Guest, Thos., & Co.
 Jackson, E. E.
 Potter & Clarke, Ltd.
 Raimes & Co.
 Warrick Bros.

MACHINERY, PHARMACAL

Allen & Hanbury, Ltd.
 Bennett, E., & Son, Ltd.
 Bennett, Sons & Shears, Ltd.
 Braithwaite H., & Co., Ltd.
 Forshaw, E., & Son, Ltd.
 Gardner, Wm., & Sons, Ltd.
 Pindar, J. W., & Co.
 Stokes, F. J., Machine Co.
 Smith's (John E.) Sons Co.
 Thompson & Capper (Stokes)
 Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS

Henry, T. & W.
 Howards & Sons, Ltd.
 May & Baker, Ltd.
 Parke, Davis & Co.
 Washington Chemical Co., Ltd.

MARKING INK

Hickison, A. (Bond's)
 Williams Bros. & Co.

MAILING CASES

Estes, E. B., & Sons

MALT EXTRACT AND PREPS

Allen & Hanbury, Ltd.
 Blackie, Robert
 British DiaMalt Co.
 Burroughs Wellcome & Co.
 Evans Sons Lescher & Webb
 Hewlett, C. J., & Son
 Montgomerie & Co., Ltd.
 Oppenheimer, Son & Co., Ltd.
 Paine & Co., Ltd.
 Southall Bros. & Barclay, Ltd.
 Woolley, Jas., Sons & Co., Ltd.
 Wright, Layman & Umney

MEASURFS

Beatson & Co.
 Bush, H. W., & Co., Ltd.

MEAT EXTRACTS

Armour & Co., Ltd.
 Brand & Co., Ltd.

MEDICINE CHESTS

Burroughs Wellcome & Co.
 Keene & Ashwell, Ltd.
 Leath & Ross
 Lloyd, T. Howard, & Co.
 Parke, Davis & Co.

MENTHOL CONES

Maw, S., Son & Sons

MERCURIALS

Howards & Sons, Ltd.
 May & Baker, Ltd.
 Merck, E.
 Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS

Darton, F., & Co.

METHYLATED SPIRIT

Burroughs, J., Ltd.
 Preston's Liverpool Distillery
 Macnair, A., & Co.
 Randall & Son, Ltd.

MICROSCOPES

Darton, F., & Co.

MINERAL WATERS AND**SALTS**

Apollinaris Co., Ltd.
 British Drug Houses, Ltd.
 Cheltenham Municipality
 Findlater & Co., Ltd.
 Hughes, E. Griffiths
 Ingram & Royle, Ltd.
 Vichy (State Springs)

OILS, ESSENTIAL

Allen, Stafford, & Sons, Ltd.
 Alliance Drug & Chem. Co.
 Bennett Bros.
 Boake, Roberts & Co.
 Bush, W. J., & Co., Ltd.
 Chris, Antoine
 Dodge & Olcott Co.
 Evans Sons Lescher & Webb, Ltd.
 Fuerst Bros.
 Lautier Fils
 London Essence Co.
 Pasquale, S. F. de, & Fratelli
 Poppelreuter, W.
 Ransom, W., & Son
 Scheller, Emil, & Co.
 Schimmel & Co.
 Spencer, J., Son & Co.
 Stevenson & Howell, Ltd.
 Wright, Layman & Umney, Ltd.
 Zimmermann, A. & M.

OILS, FATTY, ETC.

Allen, Stafford, & Sons, Ltd.
 Fuerst Bros.
 Price's Patent Candle Co.
 Schliemann's Oil & Ceresine Co.

OILS, MINERAL

Fuerst Bros.
 Price's Patent Candle Co.
 Stern Sonneborn Oil Co., Ltd.

OINTMENTS

Blackie, R.
 Burgess, E.
 Lyle & Co.
 Oldfield, Pattinson & Co.
 Zimmermann, Chas., & Co.

OPTICAL GOODS

Botwright & Grey
 Darton, F., & Co.
 Maw, S., Son & Sons
 Nitsche & Günther Optical Co.
 Raphael's, Ltd.

ORANGE WINE

Melrose-Drover Co. Ltd.
 Millar, A., & Co., Ltd.

OTTO OF ROSE

Bontcheff & Kidoff
 Reitmeyer & Co. (synthetic)
 Shipkoff & Co.

PALATINOLIDS

Oppenheimer, Son & Co.

PAPER TUBES

O'Neill, S., & Sons, Ltd.

PATENT AGENT

Barker, R. W.

PASTILLES

Allen & Hanbury, Ltd.
Asche, C. F., & Co.
Burroughs Wellcome & Co.
Denoual, J., & Co.
Epps, James & Co.
Evans Sons Lescher & Webb
Guest, Thos., & Co.
Jeyes Sanitary Comp. Co., Ltd.
Wander, A., Ltd.
Warriok Bros.

PERFUME MATERIALS

Beisly, W. G.
Bontcheff & Kidoff
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Lantier Fils
Naef, M., & Co. Sucers.
Scheller, Emil & Co.
Schimmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Zimmermann, C., & Co.

PESSARIES

Burge, Warren & Ridgley
Rendell, W. J.

PETROLEUM JELLY

Chesebrough Mfg. Co.
Sohliemann's Oil & Ceresine Co.

PERFUMES

Allen & Hanbury, Ltd.
Barclay & Sons, Ltd.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Dralle, Georg
Erasmo Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Gibbs, D. & W., Ltd.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
John Strange Winter
Lescol Perfumery Co.
McCracken, J. & R.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Oatline, H.
Quelch, H. C., & Co.
Southall Bros. & Barolay
Spencer, J., Son & Co.
To-Kalon Mfg. Co., Ltd.
Warrick Bros.
West, T., & Son

PHOTO-CHEMICALS

Boehringer, C. F., & Soehne
Reitmeyer & Co.

PHOTO-ENLARGERS,

PRINTERS, &c.
Express Developing Co.
Halifax Photographic Co.

PHOTO-GOODS

Barclay & Sons, Ltd.
Burroughs Wellcome & Co.
Darton, F., & Co.
Evans Sons Lescher & Webb, Ltd.
Halifax Photographic Co.
Ilford, Ltd.
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Reitmeyer & Co.

PILL COUNTERS

Bornkessel, F. G.

PILL MAKERS

Allen & Hanbury, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Standard Tablet & Pill Co.
Wand Mfg. Co.

PLEATED PAPER

Darter, Wilkinson & Co.

PLASTERS

Alcock Mfg. Co.
Berliner, Arthur
Beiersdorf, P., & Co.
Dalmas, A. de St., & Co.
Geiger & Braun
Leslies, Ltd.
Maw, S., Son & Sons

POLISHES (VARIOUS)

Bradley & Bourdas
Judson, Daniel, & Son
Oakley, J., & Son, Ltd.

POTASH

Nenes Kalisyndikat

PRINTERS

Christie, Malcolm & Co.
Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
Smith, W. H., & Son
Timme, W. O., & Co.
Townsend, J., & Sons

PROPRIETARY ARTICLES

Ashton & Parsons, Ltd.
Barclay & Sons, Ltd.
Beecham, T.
Bell, John, Hills & Lucas, Ltd.
Boulton, J., & Co. (1909)
Bow's Liniment, Ltd.
Box, W. H.
British Drug Houses, Ltd.
Burgess, E.
Chameleon Oil Co., Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Conoid Co.

Cox, A. H., & Co., Ltd.

Daggett & Ramsdell
Daisy, Ltd.

Danysz Virus, Ltd.

Da Silva & Co.

Davenport, J. T., Ltd.

Day & Sons (Crewe), Ltd.

Denoual, J., & Co.

Ecolent Compounds, Ltd.

Edwards, W., & Son

Evans Sons Lescher & Webb, Ltd.

Faulding, F. H., & Co.

Fellows Med. Mfg. Co.

Fennings, Alfred

Ferris & Co.

Freeman's Chlorodyne, Ltd.

Fulford, C. E., Ltd.

Goodall, Backhouse & Co.

Harvey & Co. (Dublin), Ltd.

Henry, T. & W.

Hovenden, R., & Sons, Ltd.

Hughes, E. Griffiths

Iohthyl Gesellschaft

Iron-Ox Rem. Co., Ltd.

Jackson, T.

Kay Bros., Ltd.

Kutnow, S., & Co. Ltd.

Lalor's Phosphodyne

Lofthouse & Saltmer

Martindale, W.

May, Roberts & Co., Ltd.

Menley & James, Ltd.

Newbery, F., & Sons, Ltd.

Odol Chemical Works

Pedzy Co.

Phillips, Chas. H., Chem. Co.

Regulin Syndicate, Ltd.

Reitmeyer & Co.

Resinol Chemical Co.

Sangers'

Sartolin, Ltd.

Schimmel & Co.

Scott & Bowne, Ltd.

Squire & Sons

Standard Tablet & Pill Co.

Stedman's Teething Powders

Thompson & Capper

Tomoda, K., & Co.

Tunbridge & Wright

Voss & Co.

Walker & Son

Wilcox, Jozeau & Co.

Zimmermann, A. & M.

Zimmermann, C., & Co.

Zotos, Ltd.

(See also DENTIFRICES and TOILET ARTICLES)

PULVELLÆ

Warrick Bros.

PULVERETTES

Oppenheimer, Son & Co., Ltd.

PUMPS

Berkefeld Filter Co., Ltd.

QUININE AND SALTS

Boehringer, C. F., & Soehne

Burroughs Wellcome & Co.

Howards & Sons, Ltd.

Pointet & Girard

RAZORS

Auto-Strop Safety Razor Co.

International Distributing Co.

Yorkshire Steel Co.

RENNET

Fullwood, R. J., & Bland

Oldfield, Pattinson & Co.

RESINS AND RESINOIDS

Allen, S., & Sons, Ltd.

Allen & Hanbury, Ltd.

Morson, T., & Son

Ransom, W., & Son

Smith, T. & H., Ltd.

RESPIRATORS

Zimmer & Co.

RUBBER GOODS

Burge, Warren & Ridgley, Ltd.
Daval Rubber Co.
Evans Sons Lescher & Webb, Ltd.
Galen Mfg. Co.
Haywood, J. H., Ltd.
Hovenden, R., & Sons, Ltd.
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Shirley Bros., Ltd.
Warne, W., & Co., Ltd.

SACCHARIN

Saccharin Corporation, Ltd.

SALICIN

Macfarlan, J. F., & Co.
Smith, T. & H., Ltd.

SAMPLE CASES

Kesne, Thomas

SANITARY TOWELS

Southall Bros. & Barclay, Ltd.

SANTONIN

Smith, B. A., & Co.

SAPONIN

Field, C. W.

Shamer, Dr. R.

SAUCES

Goodall, Backhouse & Co.

SCALE PREPARATIONS

Morson, T., & Son

SCALES, WEIGHING

Maw, S., Son & Sons
Parnall & Sons, Ltd.
Southall Bros. & Barclay, Ltd.

SEA SALT

Tidman & Son, Ltd.

SEA-SICKNESS REMEDY

Zotos, Ltd.

SEEDS

Bernhardt, I.
Brook, Parker & Co., Ltd.
Potter & Clarke, Ltd.

SERUMS AND ANTITOXINS

Allen & Hanbury, Ltd.
American Animal Therapy Co.
Evans Sons Lescher & Webb, Ltd.
Parke, Davis & Co.
Schimmel & Co.
Wilcox, Jozeau & Co.

SHARES

MoAdam & Tuckniss

SHEEP-DIPS

Burt, Boulton & Haywood
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.

SHOP-FITTING

Ayrton-Graham, Ltd.
Bowling & Son
Evans Sons Lescher & Webb, Ltd.
Josephs, Philip, & Sons, Ltd.
Maw, S., Son & Sons
Mills, H.
Parnall & Sons, Ltd.
Rudduck & Co.
Sangers'
Southall Bros. & Barolay, Ltd.

SHOULDER-STRAPS

Wood, Vincent

SOAP MATERIALS

Armour & Co., Ltd.

Chiris, Antoine

SOAP PLANT

Forshaw, E., & Son, Ltd.

SOAPS, MEDICATED

Armour & Co., Ltd.

Bronnley, H., & Co., Ltd.

Fulford, C. E., Ltd.

Lamhart Pharmacal Co.

Resinol Chemical Co.

Wright Layman & Umney

SODIUM BICARBONATE

Brunner, Mond & Co., Ltd.

Electrolytic Alkali Co., Ltd.

Howards & Sons, Ltd.

Mumford, G. S.

SODA FOUNTAINS

Consol Automatic Aerators, Ltd.

SOOTHERS & FITTINGS

Shirley Bros., Ltd.

SOYA OIL

Hull Oil Mfg. Co.

SPECTACLES

Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Günther Optical Co.
Raphael's, Ltd.

SPARKLETS

Aerators, Ltd.

SOAPS, TOILET

Allen & Hanbury, Ltd.
Armour & Co., Ltd.
Bell (John), Hills & Lucas, Ltd.
Bronnley, H., & Co., Ltd.
Chesebrough Mfg. Co.
Cook, E., & Co., Ltd.
Erasmo Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Gibbs, D. & W., Ltd.
Hull Oil Mfg. Co., Ltd.
International Distributing Co.
John Strange Winter
Lescol Perfumery Co.
Oakley, J., & Son, Ltd.
Oowana Soap Co., Ltd.
Pears, A. & F., Ltd.
Peats Products (Sphagnol), Ltd.
Price's Patent Candle Co.
Shaw, Henry, & Co.
Wright, Layman & Umney

SPHYGMOMETERS

Hicks, J. J.

SPINAL CARRIAGES

Elmore, W. T., & Son, Ltd.

SPIRIT OF WINE

Burroughs, J., Ltd.
Preston's Liverpool Distillery

SPONGE BAGS

Maw, S., Son & Sons
Schnitz, F., & Co.
Toogood, W., Ltd.

SPONGES

Internl. Sponge Importers
Kent, G. B., & Sons, Ltd.
Maw, S., Son & Sons
Sangers'

SPRAYS

Burge, Warren & Ridgley, Ltd.
Burt, Boulton & Haywood, Ltd.
Daval Rubber Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Parke, Davis & Co.

STARCH

Mumford, G. S., & Son
Wood, Chas. E.

STATIONERY

East, Walter

STILLS

Bennett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.

STOPPERS

Fletcher, Fletcher & Co.
Stipendum Stopper Co.

SUPPOSITORIES

Cox, Arthur H., & Co.
Peat Products (Sphagnol), Ltd.

SURGICAL APPLIANCES

Allen & Hanbury, Ltd.
Bailey, W. H., & Son
Burroughs Wellcome & Co.
Bush, H. W., & Co., Ltd.
Haywood, J. H., Ltd.
Hughes, G.
Hutchinson Co.
Maw, S., Son & Sons
Quelch, H. C., & Co.
Surgical Hosiery Co., Ltd.
Wood, Vincent
Warne, W., & Co., Ltd.

SURGICAL DRESSINGS

Beiersdorf, P., & Co.
Berliner, Arthur
Burroughs Wellcome & Co.
Bush, H. W., & Co., Ltd.
Dalmas, A. de St., & Co.
Galen Mfg. Co., Ltd.
Gimher, W., & Son
Haynes, G., & Co.
Leslies, Ltd.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newsome, C.
Robinson & Sons, Ltd.
Taylor, W. G.
Vernon & Co., Ltd.
Wood, Vincent
Woolley, J., Son & Co., Ltd.

SUSPENSORY BANDAGES

Bailey, W. H., & Son
Sangers'

SWIMMING FLOATS

Schnitz, F., & Co.

SYNTHETIC PERFUMES

Bennett Bros.
Boehringer, C. F., & Soehne
Bush, W. J., & Co., Ltd.
Fuerst Bros.
Naef, M., & Co. Succrs.
Reitmeyer & Co.
Zimmermann, C., & Co.

SYNTHETIC REMEDIES

Boehringer, C. F., & Soehne
Boehringer, C. H., Sohn
Hoffmann-La Roche, Ltd.
Reitmeyer & Co.
Riedel, J. D., Co.
Wolfensberger, J. H., & Co.

SYPHONS

Aerators, Ltd.
Barnett & Foster
Bremt, E., & Co., Ltd.
Camwal, Ltd.
Hygienic Syphon Co. (1910), Ltd.
Idris & Co., Ltd.

SYRINGES HYPODERMIC

Burroughs Welloome & Co.

SYRINGES (PATENT)

Hughes, G.

SYRUPS, MEDICINAL

Fellows Med. Mfg. Co.

TABLET MACHINERY

Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Thompson & Capper
Wilkinson, S. W., & Co.

TABLET PRODUCTS

Burroughs Welloome & Co.

TABLETS, COMPRESSED

Allen & Hanburys, Ltd.
Asche, O. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cartwright, W. B., Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Dunoon, Flookhart & Co.
Evans Sons Lescher & Webb, Ltd.
Howards & Sons, Ltd.
Jackson, E. E.
Lloyd, T. Howard, & Co.
Martindale, W.
Parke, Davis & Co.
Standard Tablet & Pill Co.
Thompson & Capper
Wand Manufacturing Co.

TARTARIC ACID

British Drug Houses, Ltd.
Boehringer, C. H., Sohn
Fuerst Bros.

TELESCOPES

Darton, F., & Co.

TIN BOX MAKERS

Goodall, Backhouse & Co.
Huntley, Boorne & Stevens

TOBACCO

Hovenden, R., & Sons, Ltd.
Singleton & Cole, Ltd.

TOILET PAPER

Ford, Shapland & Co.
O'Neill, Samuel, & Sons, Ltd.
Townsend, J., & Sons

TOOTH STOPPING

Stevens, P. A.

TRADE-MARKS AGENTS

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Ford, Shapland & Co.

TRUSSES

Bailey, W. H., & Son
Haywood, J. H.
Sayers, Silcox, Cuzner & Co.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

TUBED SPECIALITIES

Christy, T., & Co.
Marshalls, Ltd.
Sangers

TURNED WOOD BOXES

Estes, E. B., & Sons
Rogers & Co.

TYPEWRITERS

Yost Typewriter Co., Ltd.

VACCINE

Evans Sons Lescher & Webb

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Bennett, Sons & Shears, Ltd.
Braithwaite, H., & Co., Ltd.

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Alexander, H. P.
Baker, P. C.
Berdoo & Fish
Brett & Co.
Orridge & Co.
Smith, Fredk. W.
Tomlinson, T., & Son

TOILET ARTICLES

Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Auto-Strop Safety Razor Co.
Beetham, M., & Son
Berliner, Arthur
Blackie, R.
Bronnley, H., & Co., Ltd.
Burroughs Welloome & Co.
Chesebrough Mfg. Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Daggett & Ramsdell
Daisy, Ltd.

Dralle, George

Edwards' Harlene Co.

Egglossa Mfg. Co.

Erasmio Co., Ltd.

Euorly, Ltd.

Fulford, C. E., Ltd.

Gibbs, D. & W., Ltd.

Hall & Ruckel

Harker, Stagg & Morgan, Ltd.

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John Strange Winter

Lloyd, A., & Co.

Lloyd, A. S. (Hovenden)

Newbery, F., & Sons, Ltd.

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Oatine Co.

Odol Chemical Works

Oowana Soap Co., Ltd.

Papier Poudré, Ltd.

Parke, Davis & Co.

Pomeroy, Mrs., Ltd.

Quicha, H. C., & Co.

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Lloyd, T. Howard & Co.
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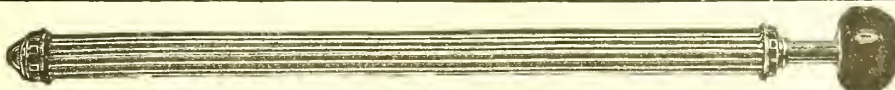
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TYPHOSUS TEST, RIDEAL-WALKER METHOD).
EVERY BATCH EXAMINED BY EXPERT BACTERI-
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LIQUID SHEEP DIP

Approved for Sheep Scab by the BOARD OF AGRICULTURE AND FISHERIES, and
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in the proportion of One Gallon of Dip to Seventy Gallons of Water.

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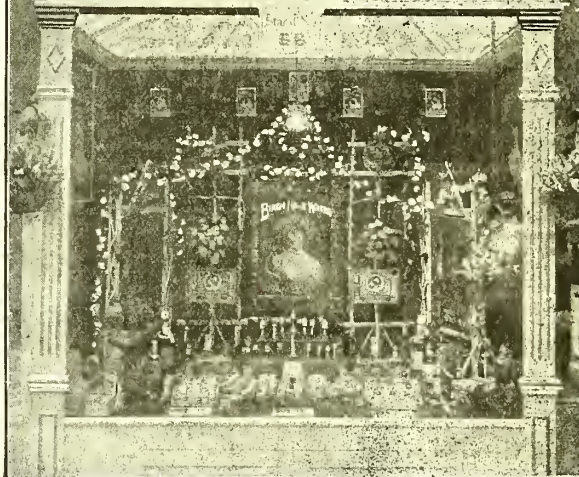
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The "ANTI-CUTTING RECORD"
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TOILET
PREPARATIONS.

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WITHOUT ALCOHOL

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**Dr. DRALLE'S
BIRCH
HAIR-WATER.**

The Attractive Stand that secured so much attention at the Chemists' Exhibition.

WHY?

Because Geo. Dralle's "Illusion" Perfumes are the ORIGINAL & BEST PERFUMES WITHOUT ALCOHOL; because there is a widespread demand for them; because they yield a handsome profit; because, therefore, all chemists know it is to their advantage to stock them.

ALL DRALLE'S GOODS ARE ON THE P.A.T.A. LIST.

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FINEST CONCENTRATED PERFUMES



PARMA VIOLETS, JOCKEY CLUB, OPOPONAX, NEW MOWN HAY
RUSSIAN VIOLETS, SWEET PEA, WHITE ROSE, WALLFLOWER,
and all varieties of exceptional value.

Speciality: "NICOSIA."

No. AA 1 1 oz. ... 10/3 per doz. *1/3 each.	No. AA 8 8 oz. ... 23/2 per doz. *2/9 each.
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We have been extensively advertising "NICOSIA" in the principal periodicals and magazines to create an interest which should lead to Chemists receiving inquiries for this speciality.

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The Soaps the Public Like.

We are now exhibiting our COLD CREAM TOILET AND SHAVING SOAPS, and other well-known Specialities at the JAPAN-BRITISH EXHIBITION, Section 21, Stall 54.

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One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	} per doz., less 5 % discount.
1/6	1/6	9/-	
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SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

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Equivalent in the case of the size in most general demand, viz., 1/6 size, to 4/6, 12/- and 27/- respectively.

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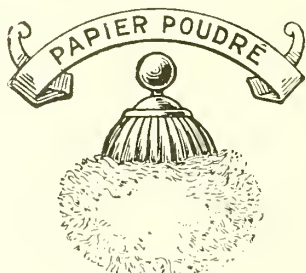
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TOILET PREPARATIONS.

They interest and please all customers, and carry high profits.

Five Gold Medals.

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3d. size reduced to 2/- doz.

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POWDERED TOILET SOAP.
DELICATELY PERFUMED.
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OVER 3,100 working in Almost Every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

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The world-famous **YSC** The Razor de luxe

This Razor has been on the market barely 5 months, but it is already in use all over the world. This success was scarcely anticipated even by ourselves: mere excellence of work and material would not account for it, and we attribute it almost entirely to the fact that the Y.S.C. has got over the two great drawbacks to Safety Razors—the necessity for taking apart and cleaning, and the absence of any scientific adjustment to suit different beards. It is the **ONLY** Safety Razor that **CAN'T** cut the skin, and the smallest and most elegant in the world.

**NOW FOR THE FIRST TIME WE ARE PUTTING
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Type. A., in brown leather case and 10 blades, 21/-
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THE NON-SAFETY—

Types D. and E. An ordinary razor with the advantages of a safety. Cheap flexible blades thrown away when done with.

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A Working Model Showcard sent free on application; Also Catalogue.

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TRY IT IN YOUR BATH

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Refreshing as a Turkish Bath.

Splendid Cleansing Preparation for the Hair.

Allays the Irritation caused by Mosquito Bites.

Restores the Colour to Carpets.

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Newbro's Herpicide is the most exquisite hair dressing in the world. Cooling and comforting. It stops itching of the scalp almost instantly.

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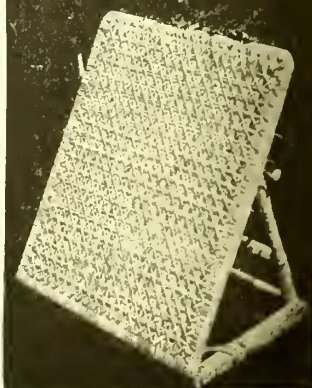


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Petroleum Jellies, White, Cream, Pale Yellow, Yellow, Orange, &c. White and Half White Oils, Odourless, Tasteless, Bloomless. Bloomless Oils, Light and Dark Yellow, Light and Dark Green, Red, &c.

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**Weigh yourself
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Capacity :
20 Stones by 14-pounds.
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Finished in Black and
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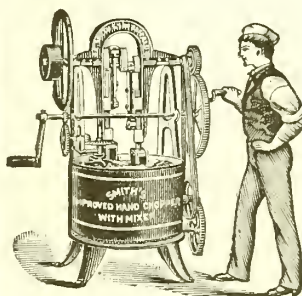
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Vanilla Beans

should be chopped—not
mashed, and should be
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With this chopper
beans may be cut
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are ground they
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flavour is affected
by the metal lining
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Used by most all extract manu-
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Also used for chopping
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Bordeaux Mixture made in a new, improved, and concentrated form. The best remedy for Apple and Pear Scab, Brown Rot of Fruit, Potato Disease, &c. In jars to retail from 5d. and 8d. each.

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The best brand of Arsenate of Lead on the market. The finest remedy for all leaf-eating caterpillars. In packages to retail from 6d. and 1s. each, to suit all branches of the trade.

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The best remedy for Insect Pests in Greenhouses, Conservatories, &c. In sizes to retail at from 1s. to 100s. each.

IT WILL PAY YOU to handle any of the above.
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THE DOOMO AIR SHIP FLY BAND
A wide band sticky on both sides unrolling like a blind
6s. 6d. gross, post paid on receipt of P.O.
FLYDOOMO - the old favourite Fly Paper.
5s. gross, post paid on receipt of P.O.
Jno. H. Smith & Co.,
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SILVERETTE

NEAT, PLEASING AND EFFECTIVE

The Latest and Best.
Send for Samples.
They Will Convince You.

SHARK

A BIG CATCHER.
VERY BROAD BAND.

Neat & Handy Contrivances.
Easy to Open.
Pull the String.
That's All!!!



SILVER

SMART & ATTRACTIVE.
SELLS QUICKLY.

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TANGLEFOOT SEALED STICKY FLY PAPER.

SIR JAMES CRICHTON BROWNE,
in his Presidential speech at the Annual Conference of the Sanitary Inspectors' Association on August 6th, said:
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ALSO OF
All Chemists' Sundriesmen.




Parcel Post, packed,
150 Sheets, 5/-
Per case of
500 Sheets, 15/-

Tanglefoot is specially adapted for Hot Climates, and is sold throughout the world. Apply for Export Prices.

WHY NOT BUY THE BEST?

It is an absolute fact that the best and most saleable FLYCATCHER on the market is the

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The SNAKE FLY BAND is unlike any other Fly Catcher on the market. The flies are irresistibly drawn towards it.

FLY BAND

It can be hung in the Drawing Room or Kitchen and does not become an eye-sore. It is cleanly in appearance and absolutely deadly in its effect.

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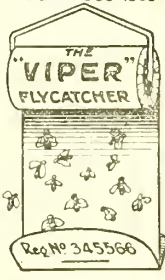
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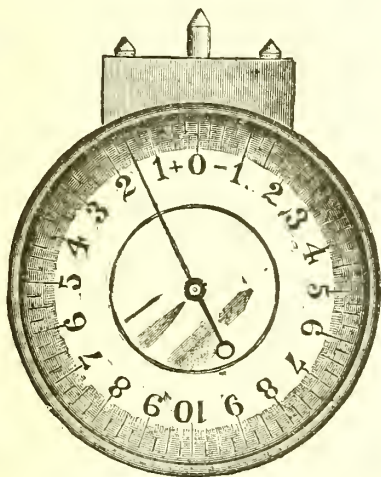


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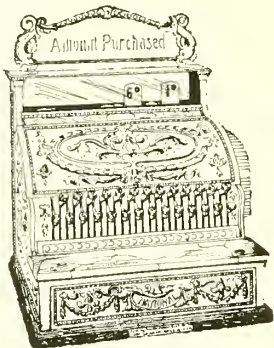
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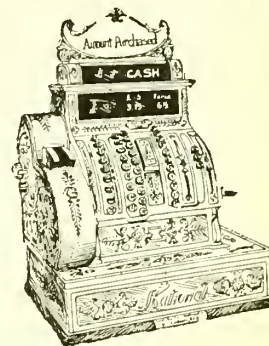
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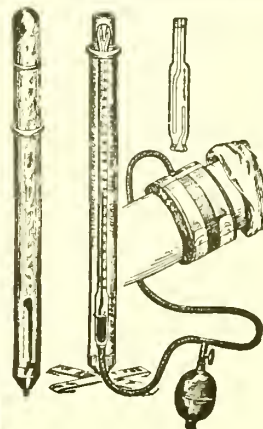
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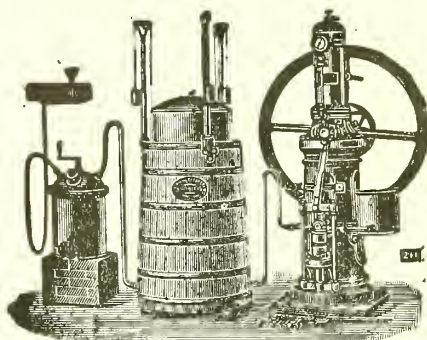
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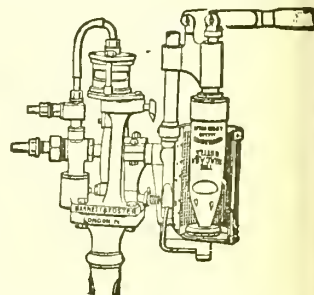
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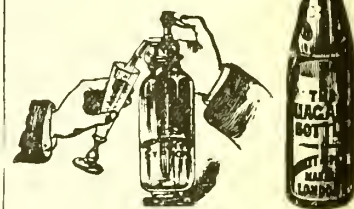
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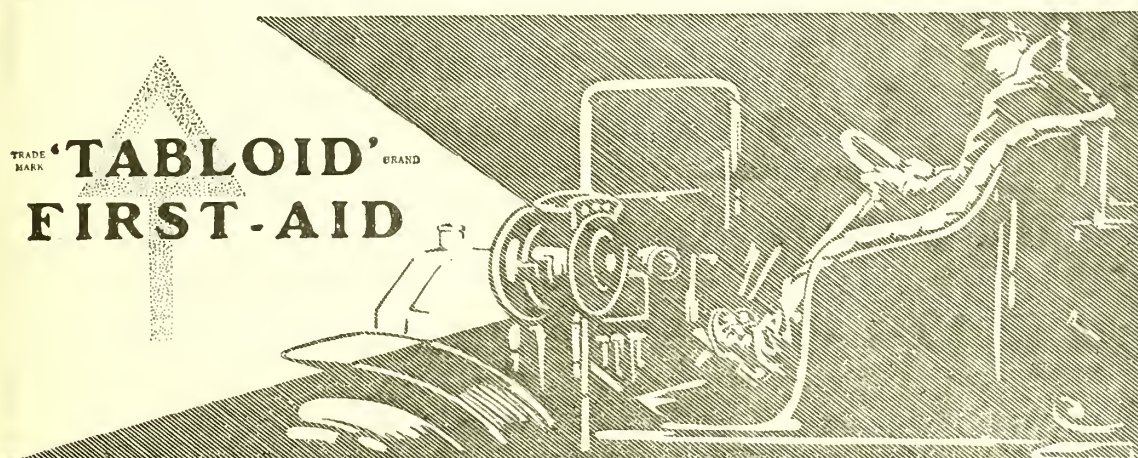
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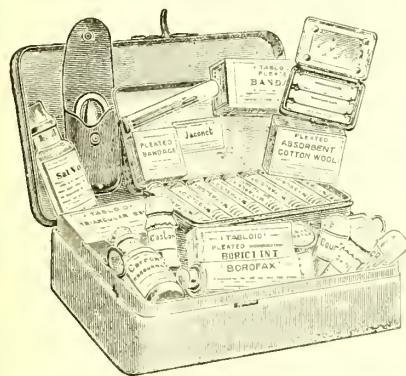
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and of
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APROPOS OF INSETS.

THERE are some articles advertised that lend themselves particularly to attractive pictorial reproduction, but none more so than Toilet Articles, Perfumery, Pharmaceutical specialities, Pharmacal Machinery, and Druggists' Sundries. This is where the value of the illustrated inset comes in, and firms who have not hitherto tried an inset in any of the Special Issues of THE CHEMIST AND DRUGGIST should do so

In the Summer Issue

of July 30. Those who have already used the inset method of advertising in THE CHEMIST AND DRUGGIST need no encouragement to try again. Several firms go to great expense in preparing annually special insets for these Numbers, thus proving that they find this method of advertising profitable. Insets may be produced on any tint of paper and printed in any colour of ink; they are stitched in, thus forming part of the Issue, and seeing that the Special Issues of THE CHEMIST AND DRUGGIST are kept indefinitely for reference, each advertisement is more or less of a permanent character. The publisher is busy at the moment preparing suggestions and advising as to the best method of reproducing advertisements in the inset form. He will be pleased to give full information as to prices, postal regulations, etc., if you send a postcard to him at 42 Cannon Street, London, E.C.

Summary of this Issue.

The more notable items only are dealt with.

Articles and Communications.

Professor H. H. Rusby writes in regard to the standard for asafetida for medicinal purposes (p. 66).

What is a half-minute thermometer? asks Dr. J. C. McWalter, who invites makers to express their views on the subject (p. 67).

We give a further instalment of our description of the town and University of Cambridge, summarising the features of the various colleges (p. 53).

The prescription-problem set this week is the script of a home physician, and should bring more postcard replies than the previous exercise (p. 60).

Xrayser II. writes in regard to the losses of British pharmacy through recent deaths, and discusses, among other subjects, pharmacopoeial Latin (p. 49).

The Newfoundland Pharmacy Act which has recently been passed protects for registered persons the use of the place-names "pharmacy" and "drug-store" (p. 51).

British export and import trade is still on the up-grade, and the year promises to beat 1907, when this business amounted to close upon a hundred millions a month (p. 50).

Trade with Finland in medicinal products is still free compared with Russia. Mr. D. A. Ruffmann, of St. Petersburg, points out that the imperialising of Finnish laws will stop this (p. 66).

The late Michael Carteighe came frequently under the pencil of his friend Fred Reynolds. We reproduce a few of the more notable of the cartoons, and add some notes in regard to Mr. Carteighe's apprenticeship with Mr. C. J. Radermacher (p. 47).

The Week's News.

"Aniseed syrup" containing opium has caused the death of a child at Bury (p. 60).

Three chemists with the British Minor certificate have been registered by the New Zealand Pharmacy Board (p. 38).

Some trouble has taken place at Sheffield regarding the recommendation of candidates for the recent Council-election of the Pharmaceutical Society (p. 58).

Mr. Henry Durham, F.C.S., who has been chemistry master at the City of London School for many years, and has recently retired, was entertained to dinner on June 2 (p. 34).

Dr. Salway, of the Wellcome Chemical Research Laboratories, has succeeded in synthesising cotarnine. The stages in the operation are clearly shown in our report of the Chemical Society's meeting (p. 57).

The Queensland Pharmacy Board are to consider an amendment of the Queensland Pharmacy Act, which will make it optional for the Board to register chemists with British qualifications instead of compulsory as at present (p. 38).

The meeting of the Society of Chemical Industry in London on Monday was chiefly interesting on account of a paper by Mr. C. T. Kingzett and one of his chemists on the formation of formic acid on the oxidation of turpentine. It is reported on p. 65.

At the meeting of the Council of the Pharmaceutical Society of Ireland Mr. W. F. Wells gave an account of the conference on doctors' dispensing between representatives of the British Medical Association and of the British Pharmaceutical Conference (p. 56).

The Pharmaceutical Society has taken the first step to determine whether the unlicensed employees of persons licensed to sell agri-horticultural poisons may also sell them. The first case has been heard at Kingston-on-Thames, Mr. Glyn-Jones appearing for the Society and Mr. Dobbs for the defendant. It was well argued, and, being in the nature of a test-case, we report it fully, beginning on p. 39.

Trade and Market Matters.

The French Colony of Réunion, has for its size quite an important essential-oil industry: see the notes on p. 64 relating to geranium, ylang-ylang, vetiver, and champaca oils.

A pending advance in the bromides is a feature of the market, otherwise there are few features. Epsom salts, Angostura tonka-beans, Senegal gum, and coriander-seed are dearer. Castor oil, linseed, shellac, copper sulphate, soda nitrate, and senega are all cheaper to buy (p. 61).

B

English and Welsh News.

When sending Newspapers containing Trade news to the Editor please mark the items.

Brevities.

At the meeting of the London County Council on June 7, it was announced that Mr. D. U. Still, chemist, had accepted 86% with regard to his interest in the forecourt of No. 727 Woolwich Road, required for the Woolwich Road improvement.

An outbreak of fire on the premises of Messrs. Cole & Elkington, chemists, 223 High Road, Lee, London, S.E., caused damage of upwards of 50%. Spirit vapour coming into contact with the flames of a gas ring is assigned as the cause of the conflagration.

Mr. Henry Durham, F.C.S., Honoured.

"Old Citizens"—i.e., past pupils of the City of London School—in all parts of the world know the old science-master, Mr. Henry Durham, who has instilled the rudiments of chemistry into three generations of pupils, so that now and then the grandsons of his first pupils have come under his eye as well as the sons. He has retired, and "Old Citizens" gave him a dinner at the Holborn Restaurant on June 2. Sir Robert Chalmers, K.C.B., Chairman of the Board of Inland Revenue, presided, and among those present were the Rev. Dr. Chilton, head master of the school, Dr. E. Divers, F.R.S., Dr. Bernard Dyer, and Colonel T. D. Sewell. During the evening the Chairman presented Mr. Durham with a bound address, signed by hundreds of old boys, as a mark of their great esteem and affection, and, in proposing his health, recalled incidents of City of London School life when he went there in 1870. He remembered how inorganic chemistry had perplexed him, particularly the difference between ferric and ferrous salts. (Laughter.) That difference left him cold. (Renewed laughter.) He recollected that Mr. Durham very frequently, while lecturing, closed his eyes in an ecstasy of intellectual joy—(laughter)—but he was always sufficiently wide awake to detect any of their social efforts, and he remembered receiving a detention card for imperfect attention to Mr. Durham's ministrations. (Laughter.) In his life's work, Mr. Durham had found little leisure. He could not even aspire to be super-taxed at the hands of an old pupil. (Laughter.) The toast was received with great enthusiasm, and Mr. Durham, in replying, recalled some amusing answers by his boys. On one occasion he set as a question, "Define a neutral salt," adding as a rider, "What are its properties?" One boy wrote:

"I know very little about sailors of any description, but I should say that in the late engagement between the *Kearsage* and the *Alabama* those on board the *Decrhound* were neutral salts and superior to the others, because in the one case they were greenbacks and in the other they were precipitated to the bottom."

The evening was altogether of a delightful nature, and will not be soon forgotten by any of those who participated in honouring an old friend and master.

Analysts' Affairs.

The Finance Committee of Battersea Borough Council report that they are of opinion that the present expenditure of 700*l.* for 1,000 samples, together with the cost of the transmission to Kensington, is more than the Council ought to pay. The Council have accordingly approached the public analyst (Mr. C. E. Cassal, F.I.C.) with a view to his acceptance of 500*l.* in lieu of 700*l.* per annum for analyses so long as the number of samples is not fewer than at present, and, in addition, of a fee of 2*l.* 2*s.* whenever he is required to attend the police court. Mr. Cassal having refused the offer, the Council have forwarded a copy of the correspondence to the Local Government Board, asking the Board to give their approval to the determination of Mr. Cassal's appointment. The Local Government Board on May 24 wrote asking the Council for copies of the resolutions on which their letter is based. The Council are complying with this request.

Chambers of Commerce.

The annual dinner of the London Chamber of Commerce was held on Friday evening, June 3, at the Freemasons' Hall, London. Lord Desborough presided, and the distinguished guests included Lord Kitchener, Mr. Sydney Buxton, Sir George Reid, and the Hon. C. S. Rolls (fresh from his double Channel flight). The drug trade was represented by Mr. F. W. Truman and Mr. J. Wellesley Douglas. Seats were reserved for Sir Jesse Boot and for Mr. John C. Umney, but neither was present.

The fourth International Congress of Chambers of Commerce and Commercial and Industrial Associations is to be held at the Hotel Cecil, London, on June 21 to 23. The Congress will be formally opened by the President of the Board of Trade on June 21, at 10 a.m. M. Louis Canon-Legrand will preside at the meetings for business, which will comprise the following subjects:

The enforcement of judgments and arbitration awards pronounced in foreign countries; the advisability of all countries adhering to the Convention of Madrid, which deals with the suppression of false marks of origin on goods; methods of valuation for the compilation of Customs statistics; unification of the law regarding cheques; development of postal unions and of the European Postal Union; direct representation of commerce and industry at official conferences and international economic congresses; and the unification and simplification of the Gregorian Calendar.

The Governments of Belgium, France, Mexico, Panama, Roumania, Russia, Serbia, the United States, and Venezuela have appointed official delegates. Mr. Samuel W. Fairchild, of New York, has been appointed delegate for the Chamber of Commerce of the State of New York, and has also been appointed to represent the United States Government at the Congress.

Manufacture of Saccharin in England.

The following statement was published in the "Yorkshire Post" of June 3:

"Our Middlesbrough correspondent writes: Messrs. S. A. Sadler & Co., Ltd., the Tees-side manufacturing chemists, have completed at their Middlesbrough works experiments in the manufacture of saccharin, and are now laying down extensive plant for the production of that commodity. Messrs. Sadler are the first firm in England to undertake the manufacture of saccharin, and it is understood that their process of production will be on expired Continental patents. The present import-duty on saccharin is 9*s.* 4*d.* per lb., and the market-price is 35*s.* per lb."

The Saccharin Corporation, Ltd., has manufactured saccharin in England for years, and there was formerly another maker licensed, but is no longer.

Birmingham Notes.

At Boots' New Street branch an announcement is made, and enforced by numerous tickets gummed on the window, that with every 1*s.* 9*d.* bottle of "Tonair" a 1*s.* packet of Pel-ha Mel Snow—a toilet preparation—will be given away.

A new outlet for small compact surgical and first-aid treatment cabinets occurs in the direction of the cricket club pavilion. On Saturday last a well-known pharmacist made himself useful by dealing out first-aid to a young cricketer who had received an awkward smack in the face with the ball. He suggested the installation of such a "chest," which is to be acted upon.

Mr. Carteighe was indeed a *persona gratissima* in Birmingham. He was always spoken of as one of the giants in pharmacy, and it is in the recollection of many of the prominent members of the local brotherhood that he drew one of the largest audiences of the craft ever seen together in Birmingham, and was sumptuously entertained at a dinner before the meeting began.

The medical and dental students of Birmingham University on Thursday, June 9, paid a visit to the premises of Messrs. Philip Harris & Co., Ltd. The visitors first inspected the pharmacy and the dispensing department. Following this came the surgical and orthopaedic department, then the departments of physical and chemical sciences and the drug warehouse; the chemical room being followed by the analytical and bacteriological laboratories, which proved most interesting and a suitable introduction to the manufacturing pharmaceutical

laboratories. Finally, some time was spent in the scientific instrument manufactory, where the construction and calibration of electrical and other instruments were shown. Tea was then served and the firm was cordially thanked for the facilities and hospitality afforded.

Liverpool Notes.

The business of Messrs. McGuffie & Co. has recently been taken over by Messrs. Charles Midgley, Ltd.

Messrs. Hazel and Robson, formerly assistants with Messrs. McGuffie & Co., Castle Street, have opened a new business at 2A Rumford Street.

An outbreak of smallpox at New Ferry recently has stimulated the local sales of calf-lymph considerably. Business generally is brisk for the time of the year.

The hearing of the evidence by Vice-Chancellor Leigh Clare in the action by R. S. Hudson, Ltd., to restrain William Gossage & Sons, Ltd., from making what are alleged to be wrongful and fraudulent misrepresentations for the purpose of selling their soap, and inducing the public to believe that Gossage's soap was the real Hudson's soap, is still proceeding. Wednesday was the twenty-fourth day of the hearing.

Notts Notes.

The Notts Pharmaceutical Association's summer outing is to be held on Thursday, June 30. Haddon Hall, Lathkill Dale, and Alport are to be visited.

In commemoration of the life and work of the late Dr. W. B. Ransom, a committee have decided to establish a consumptive dispensary similar to those carried on with such success in Edinburgh and Paddington. Sir Charles Seely has offered to provide accommodation for a dispensary near to the grounds of the General Hospital. The sanatorium established some years ago in Sherwood Forest is to be known also as "The Ransom Sanatorium."

At a meeting of the Dispensary Committee of the Board of Guardians on June 7, it was reported that the cost of drugs, surgical dressings and appliances in the workhouse and infirmary in 1904 amounted to 9447. while in 1909 it had decreased to 6627. It was pointed out that greater economy and efficiency in dispensing had contributed to this eminently satisfactory result. Mr. Fred Coates is the superintendent dispenser to the Board.

On Wednesday evening, June 1, considerable alarm was caused in Regent Street, Nottingham. Many of the houses there are occupied by members of the medical profession and their families. In some of them there was a smell of burning, and the electric lights began to dance in a disconcerting manner, and black smoke was seen rolling from a catch-pit at the corner of the street. Communication was made with the electricity department, and men from the power station speedily cut off the connection at two of the service boxes, but for a long time dense smoke from the burning gutta-percha streamed from below. It is supposed that there was a "fault" at this particular spot. The cables are said to have been laid in that district fourteen or fifteen years ago.

Earlier Closing.

Heckmondwike chemists have altered the hour of closing on Wednesday afternoon from 1 p.m. to 12.30 p.m. On Mondays the closing-hour will be 7 p.m. instead of 8 p.m. as heretofore.

At Brierley Hill the chemists, along with the other tradesmen of the town, have adopted the following hours of closing: Mondays, Tuesdays, and Thursdays, 8 p.m.; Wednesdays, 1 p.m.; Fridays, 9 p.m.; and Saturdays, 1 p.m.

Contracts.

Clacton-on-Sea Urban District Council.—Jeyes' Sanitary Compounds Co., Ltd., for disinfectants.

Meriden Guardians.—Mr. C. G. Cooke, Coleshill, for the supply of drugs and surgical appliances.

Stoke-on-Trent Borough and Rural Joint Hospital Board.—Mr. T. C. Cornwell, Ph.C., Hanley, for drugs and serum.

Canterbury City Council.—E. Bing & Son, Canterbury, for the supply of drugs to the Sanatorium during the ensuing year.

Hove Town Council.—S. J. Weston & Co., for the annual supply of drugs, surgical dressings, and appliances to the Sanatorium.

Metropolitan Water Board.—T. Tyrer & Co., Ltd., for 3 tons of copper sulphate at 58/ 10s.; T. Tyrer & Co., Ltd., and F. Allen & Sons, for sulphate of alumina at various prices.

Cricket.

Potter & Clarke C.C. were beaten by the Bedford Institute at Walthamstow on June 4, the scores being: B.I., 120 runs for 5 wickets; P. & C., 37.

Stevenson & Howell C.C. v. British Drug Houses C.C.—This match, played at Crofton Park on June 4, resulted in a win for the former team. Scores: S. & H., 53 runs; B.D.H., 37.

Allenburys C.C. (second eleven) secured a victory against a C.S.S.A. team by 115 runs to 12. Messrs. W. Allen and E. McCarthy, the Allenburys bowlers, took 5 wickets each for 8 and 4 runs respectively.

Allenburys C.C. (first eleven) scored 110 runs and then dismissed Hartwell Athletic for 29 runs in the match played on June 4. For the victors Mr. W. Stalley bowled remarkably well, taking four wickets with four successive deliveries.

The Leicester Pharmacy Athletic Club met the local Tramwaymen's C.C., at the Belgrave Recreation Ground, Leicester, on June 2. The Pharmacy team, who took first knock, had a bad time: only H. Chell, who carried his bat through the innings for a meritorious 26, could do anything at all. The whole side were dismissed for a miserable score of 37, including four extras. The Tramwaymen amassed a total of 99. Chell, who also took three wickets for ten runs, is proving a decided acquisition to the club with his excellent and consistent form with both bat and ball.

Various Charges.

At the Clerkenwell Police Court, on June 6, Wm. Brown (30), labourer, Duncan Buildings, Gray's Inn Road, E.C., was remanded on a charge of being concerned with Stephen Cronin (in custody) in stealing on March 15 a gold watch, value 57., the property of Mr. Harry Hickey, of Messrs. Parke, Davis & Co.

At Greenwich Police Court, on June 6, John M. Munro (60), Ph.C., 2 The Pavement, Lewisham, was remanded on a charge of being found on premises that were being used as a common gaming-house, and also with being there for the purpose of betting. Bail was allowed in the sum of 507. and one surety of 507.

At the Pontypridd (Rhondda) Police Court, Amos Williams Brown, who advertises as "Professor Brown, the Celebrated Magic Cough-tablet Manufacturer, Herbalist, and Strength Missioner," was sent to prison for six months with hard labour for stealing various articles, valued about 207., from the goods-yard at Treorchy Station. The Bench refused to recommend the Home Secretary to have Brown deported as an undesirable.

At Greenwich, on June 4, John Brown (60) and Edward Hart (54), no home, were committed for trial on a charge of breaking into the pharmacy of Mr. James Green, chemist, 262 New Cross Road, London, S.E., with intent to steal. The would-be burglars gained entrance from the rear of the premises. They were disturbed by a carman from next door, who, with the aid of a friend, "claimed" the prisoners as they came out. The carman gave Brown "a tap on the head" with a bottle "to keep him quiet."

At the Central Criminal Court on June 6, William Sharkey (21), fitter, and Alfred Douglas (21), stoker, were each sentenced to nine months' imprisonment with hard labour for warehouse-breaking at the premises of Messrs. Curry & Paxton, opticians, Great Portland Street, W. The former prisoner also pleaded guilty to stealing property worth 1007. belonging to Messrs. F. Schutze & Co., Black Bull Works, Islington, N. Prisoner complained that the property had since been stolen from his house, and desired a summons against the thief.

At Lambeth Police Court, on June 7, the charge against Robert Desmond (26), commission agent, Walworth, of being concerned with others in attempting to murder

Mr. Frederick Banks, chemist and druggist, and stealing 150*l.* from him, was dismissed (*C. & D.*, June 4, p. 836). The magistrate (Mr. Baggallay) expressed the opinion that there was no case to go to a jury. Prisoner was not given into custody by Mr. Banks, but arrested by the police as the result of their inquiries.

At the Central Criminal Court, London, on June 2, Charles Phillips (51) was sentenced to nine months' hard labour for forging and uttering the acceptance to a number of bills of exchange, to which he pleaded guilty. It transpired that in April 1901 the prisoner was sentenced to eighteen months' hard labour for a similar offence. On coming out of prison he joined a firm in City Road, and remained with them until 1906. After that he carried on business on his own account as "The Royal Standard Perfumery Company," until it was taken over by a City company, of which he became managing director. He again started business for himself, which he carried on until 1909, when he absconded, owing to the bill trouble. Counsel for the defence said that the prisoner was very learned in the art of mixing essential oils with alcohol for making perfumery. This was an art known to few, and the prisoner had been manufacturing perfumes and supplying firms of perfumers. He was a respectable man, and had made an honest living since his release. He came of a good stock, and was undoubtedly a clever chemist.

Irish News.

When sending Newspapers containing Trade news to the Editor please mark the items.

Pharmaceutical Society of Ireland.

Applications for the undermentioned examinations should be lodged by 11 A.M. (at the latest) on the respective dates: *Preliminary Examination*, June 23; *Registered Druggist Examination*, June 28; *Pharmaceutical Licence Examination*, June 28; *Pharmaceutical Assistant Examination*, July 4.

Brevities.

Messrs. Hayes, Conyngham & Robinson, Ltd., chemists, Dublin, are about to open a branch pharmacy at Rathgar Road, Rathmines.

Dr. Finnegan's Medical Hall, Thomas Street, Dublin, is to be sold by public auction at the end of this week by order of the executors.

Mr. E. J. Wilson, M.A., senior assistant to the late Mr. Robert Barklie, has taken over the laboratory in Fountain Street, Belfast, carried on for many years by Mr. Barklie.

At the annual meeting of Magherafelt Board of Guardians on June 5, Mr. J. E. O'Neill, J.P., registered druggist, Maghera, was unanimously re-elected Chairman of the Board.

Messrs. Hoyte & Son, Lower Sackville Street, Dublin, are making important external improvements to their premises; and Messrs. Fannin & Co., Ltd., are structurally altering their establishment in Grafton Street.

Mr. Wm. Hanna, J.P., pharmaceutical chemist, Main Street, Bangor, co. Down, and Mr. James S. Balmer, registered druggist, also of Main Street, have been elected to the general committee of the Bangor Cottage Hospital.

The Cootehill Guardians have accepted the tender of Messrs. S. Connor & Son, Newry, for medicines and surgical appliances, after being informed by the Local Government Board that unless this was done no rebate would be allowed.

The Belfast Corporation has sanctioned the following increases of salary: Mr. J. Hawthorne, Professor of Chemistry, of the Technical Institute, maximum salary to be 400*l.*, to be reached by increments of 25*l.*; Mr. C. J. Still, assistant lecturer and demonstrator in the chemistry department, maximum salary to be 130*l.*

Mr. W. S. Hamilton, Medical Hall, Manorbhamilton, was presented with a gold watch, suitably inscribed, by a few of his friends prior to his leaving for Castleblaney. A picnic to Glencar was held on June 1 to give him a send-off, a large number of friends being present. Mr. F. W. Shaw presided, and after tea made the presentation.

Mr. Edgar B. Aplin has retired from the directorate of Messrs. Aplin, Thackeray & Co., Ltd., Queen Street, Dublin, and has opened business on his own account at Ringsend in succession to Messrs. Gore, chemists and druggists, whose concern he has acquired. The business at Queen Street will be carried on by Mr. H. C. Thackeray, Ph.C.

Messrs. Wm. Dobbin & Co., Ltd., wholesale druggists, North Street, Belfast, have submitted plans to the city surveyor for extensive alterations to their premises in North Street and Long Lane. The City Council is anxious to widen North Street, and the Improvement Committee has offered Messrs. Dobbin 624*l.* 7*s.* 6*d.* for certain ground, but the offer has been declined.

The late Mr. Robert Barklie.

At a meeting of the Public Health Committee of Belfast Corporation on June 2, the Town Clerk formally reported the death of Mr. R. Barklie, the city analyst, and a sub-committee was appointed to make recommendations as to terms of the new appointment. Mr. Barklie's salary was 240*l.* per annum, with 60*l.* for materials, but had he lived till this month an increase of 50*l.* per annum to his salary would have come into force. Suitable reference to his death was made at the monthly meeting of the City Council last week by Dr. Thomson, who said Mr. Barklie was a most capable and efficient officer, and his death would be regretted by all. References were also made to Mr. Barklie's death at the meeting of the Belfast Board of Guardians, the Castlereagh Rural District Council, and other boards.

Scots News.

When sending Newspapers containing Trade news to the Editor please mark the items.

Edinburgh.

Messrs. Harkness, Beaumont & Co., wholesale chemists, Leith, hold their annual picnic on Saturday, June 11.

Mr. James Ralph, who for the past four years has been on Inman's staff in Edinburgh, is leaving for Boston, U.S.A.

Last month generally was one of the quietest for a long time, possibly because there were three days during which most businesses were either partially or wholly closed.

Mr. James Innes, representing Messrs. Burroughs Wellcome & Co. in Glasgow and Edinburgh, has resigned that position, and has joined the representative staff of Messrs. Raimes Clark & Co., Edinburgh.

Dispensing-business has been very quiet in certain districts for a considerable time. It now transpires that in one of the quarters most affected two doctors have been filling their own prescriptions for several weeks.

Mr. A. Govan Reid, chemist, formerly of 84 Newington Road, and his sister returned to Edinburgh last week, after an eight months' holiday in California. A considerable part of the time was spent in Los Angeles and neighbourhood.

The Edinburgh Pharmacy Athletic Club's annual sports, held in the Royal Gymnasium Grounds, Edinburgh, on June 6, were a great success. Dr. George Coull, Mr. D. B. Dott, F.I.C., and Mr. J. Rutherford Hill were the judges, and all the events were well contested.

The new factory of Messrs. J. F. Macfarlan & Co., manufacturing chemists, Edinburgh, is now nearly completed; the tall chimney is receiving the finishing touches. The premises are enclosed within a high corrugated iron fence, and the two-story building has an outside gallery fronting the upper floor.

Executive of the North British Branch.

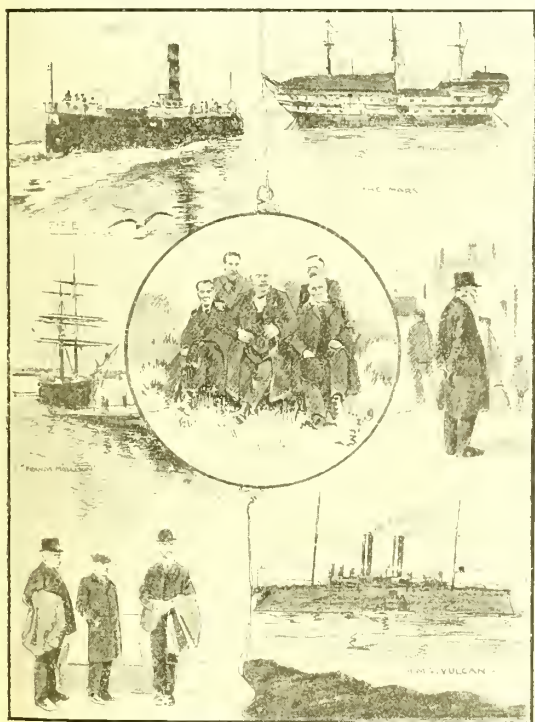
Twenty-two gentlemen have been nominated for the eighteen seats on the Executive which are to be filled on June 17. They are as follows:

1. Bain, John, Bridge of Allan.
2. Coull, George, Edinburgh.
3. Cowie, William Beaverley, Edinburgh.
4. Currie, Archibald, Leith.
5. Doig, William, Dundee.

6. Fisher, John Hutchison, Dunfermline.
7. Forret, John Alexander, Edinburgh.
8. Giles, William, Aberdeen.
9. Gilmour, James Pinkerton, Glasgow.
10. Kerr, Charles, Dundee.
11. Lennox, James, Glasgow.
12. Meldrum, Martin, Irvine.
13. Mitchell, Donald, Inverness.
14. Moir, James, Glasgow.
15. Nesbit, James, Portobello.
16. Russell, James Anderson, Greenock.
17. Scobie, William Stalker, Edinburgh.
18. Somerville, George, Edinburgh.
19. Stephen, George, Huntly.
20. Storrar, David, Kirkcaldy.
21. Sutherland, John William, Glasgow.
22. Wilson, William Potter, Haddington.

Dundee.

The "Wizard of the North," edited and published by Mr. James Russell, chemist, Dundee, devotes one of its four lithographed pages to the annual dinner and excursion of the Forfarshire Chemists' Association, which was reported in the *C. & D.*, May 28, p. 825. We reproduce the page in reduced facsimile:



The "Fife" is the vernacular name for the steam ferry-boat on which the Forchemases visited the kingdom of Fife, and they passed the *Mars* training-ship on the way. The circular group is composed of Messrs. W. Cummings, John Anderson, John Gray, J. Russell, and C. Kerr, and to the right of the circle we have a side-view of Mr. Kerr. The triumvirate in the bottom left corner is Messrs. T. S. Peebles, C. Cummings, and J. H. Thomson. Those who know the places and persons will recognise the cleverness of the "Doctor's" sketch.

Glasgow.

Sir Hector Cameron has resigned the professorship of clinical surgery in the University.

Mr. J. B. McVittae, chemist, has purchased the business of Mr. McCreath in Pollokshaws Road.

By a fire which broke out in the manufacturing premises of Mr. Robert Suttie, chemist, Main Street, Cambuslang, damage estimated at fully 600*l.* was done.

Mr. John Greig, representative in Scotland for Messrs. Allen & Hanburys, Ltd., has removed from Edinburgh to 12 Vinicombe Street, Hillhead, Glasgow.

In order to cope with their increasing business, Messrs. Perry, Hope & Co., Ltd., manufacturing chemists, have made extensive alterations on their premises at Pitshill, Glasgow.

Minor students will find it to their advantage to pay periodic visits to the Botanic Gardens now, and thus familiarise themselves with the various plants as they grow to maturity. Mr. Sherry, the botanist, will be found very willing to enlighten those in doubt, and great credit is due to him for the care taken in the classification of the natural orders.

French News.

(From the "C. & D." Correspondent.)

L'AFFAIRE DE VAUGIRARD.—The pharmacist, M. Parat, who is charged with having chained and ignobly maltreated his wife, has been declared insane, and therefore irresponsible. The pharmacy is to be sold for the benefit of the wife and children.

M. PELLERIN, partner of the firm of Roger & Gallet, who has just received the cross of the Legion of Honour, is an *ancien combattant* of the Franco-German war, where his gallant conduct was several times mentioned in despatches. The war over, he entered a business house, and in 1883 joined Roger & Gallet's, a firm originally founded in 1806 by the famous J. M. Farina to extend the sale of his Eau de Cologne in France. The particular task of M. Pellerin has been to extend the foreign connection of his firm.

EARLY CLOSING.—The Paris Pharmacists' Assistants' Association appears to have at last obtained some slight practical result from its endeavours of past years to obtain the earlier closing of pharmacies. An agreement has been made with a certain number of pharmacists in the 11th and 12th arrondissements of Paris to close at 9 p.m., which hour has prevailed for many years for the pharmacies in the centre of the city. The Association is posting bills giving the names and addresses of the pharmacists in question.

THE SEQUESTRATION OF A PHARMACIST.—The details which have been obtainable of the extraordinary case of the sequestration of a pharmacist, referred to in the *C. & D.* last week, prove it to be an incident which is surrounded by conditions of quite a dramatic nature. We have a pharmacist of fifty years of age, prosperous far beyond the ordinary, who was suffering from overwork. A wife, said to be aided and abetted by the mother-in-law, who seeks to have him confined in a lunatic asylum. Then there is the interference of a brother, who appeals to the public prosecutor on behalf of the pharmacist, who is released in consequence. A discharged assistant, in whose room is found a project of contract of partnership with the pharmacist's wife, adds an element of not very palatable romance, and the fact that the certificate on which the pharmacist was taken to the asylum was irregular completes the picture. These things have taken place in Paris during the present month of June, although they appear almost to belong to the romantic Middle Ages. No wonder people ask themselves sometimes how it is that Paris seems to have more than an average of these extraordinary incidents. M. Bourdeaux, the Juge d'Instruction, who has charge of the case has been busy this week taking the evidence of the officials of the Ville Evrard Lunatic Asylum, of the sequestered pharmacist's brother, and of the physician who supplied the order for the pharmacist's removal to the asylum. In the course of the evidence it transpired that the assistant, M. Guillevic, took a prominent, if not a leading, part in the sequestration of his employer. He entered M. Brunet's service on March 2, 1910, and the medical certificate signed by Dr. Benon bears the date of May 12 last. The doctor and M. Guillevic were friends, and the latter says that a leading role was forced on him by circumstances and the pharmacist's wife.

Australasian News.

"The Chemist and Druggist" is regularly supplied by order to all the members of eight Societies of Chemists in Australia and New Zealand.

The Commonwealth.

THE LABOUR MINISTRY.—Mr. F. M. Thomas, who was Minister of Trade and Customs in the last Labour Ministry, has been made Postmaster-General in the new administration. His influence in the administration of the Commerce Act will thus be less than was anticipated. It was feared that if he had been reappointed to his former position he might have endeavoured to over-rule the advice of the permanent officials of the Department regarding the publication on the label of the formula of imported proprietary articles.

AN AUSTRALIAN PHARMACEUTICAL SOCIETY is foreshadowed in "The Chemist and Druggist of Australasia." The present Pharmaceutical Society of Australia is a Victorian society only, and has been asked by the other States' societies to consider the advisability of changing its name to something which more nearly expresses the scope of its labours. The formation of a truly Australian society with branches in each State is suggested, and possibly if the Australasian Pharmaceutical Conference were to change its name to the Australian Pharmaceutical Society the headquarters' machinery would be provided. A source of revenue might be the sale of diplomas of membership or the payment of an annual fee for such a diploma. It remains for some member of the Conference to give notice of motion for changing the name.

New South Wales.

PHARMACEUTICAL SOCIETY.—At the meeting of the Society held at Sydney on April 19, Mr. A. Wadsworth was elected President in succession to Mr. C. J. Carroll. Mr. L. P. Williams was at the same time elected Vice-President, and Mr. T. M. Snelson was re-elected Treasurer.

WAGES BOARD.—Judgment was given on March 30 in the case of *Park v. the Sydney United Friendly Societies' Dispensary and Medical Institute*. The applicant, who is chief assistant at the head office of the dispensary, was paid 3*l.* a week, but claimed 3*l.* 10*s.* with arrears of wages, according to the award of the Pharmaceutical Wages Board. The Judge held that the dispensary is not a shop, as the medicines dispensed for the members were not sold. If selling by retail could have been established the place would become a shop. He came to the conclusion with regret, because he saw no reason on the merits why the dispensers in the employ of the friendly societies should not come under the terms of the Pharmacy Board award. They did the same work as dispensers in chemists' shops, and required the same qualifications. To his mind there was no doubt that the friendly societies' dispensaries did compete with the chemists. It was not very creditable, he thought, to the friendly societies that they did not loyally accept the award.

New Zealand.

PHARMACY BOARD.—At the meeting on April 8 the following chemists were among those to whom certificates of competency were granted: Humphrey Parry Williams (Minor, G.B., 17,122), Stewart Miller Beattie (Minor, G.B., 16,369), Robert Marshall Blair (Minor, G.B., 17,653), and Harry Neill Forsythe (Pharm. Licence, Ireland). Notices of motion have been handed in for the next Conference of the members of the Board suggesting "that definite arrangements be made with the University Colleges or the technical schools in the four chief centres, by which there will be provided a six months' course of lectures in the subject of chemistry, such course to cover the requirements of the Board's syllabus in both theoretical and practical chemistry," "that arrangements be made with either of the above institutions to provide a suitable course in botany," and "that the Board consider the advisability of recognising qualified teachers in materia medica and pharmacy, in one or more of the four centres, and making a small grant of money to facilitate the arranging of classes in these subjects." Mr. Hobson has also handed in other notices of motion dealing with details of the scheme.

Queensland.

IMPERIAL RECIPROCITY.—At a meeting of the Pharmacy Board on April 14, Mr. A. B. Chater moved: "That this Board consider what steps should be taken to alter Part III., Section 20, Sub-section 2, of the Pharmacy Act of 1884, to eliminate the words 'from the Pharmaceutical Society of Great Britain.'" Mr. Chater explained that his object was to give the Board the option of accepting such certificates, and not, as at present, that men holding such certificates could as a right demand registration. Mr. F. W. Simmonds seconded the motion, which was carried unanimously. Mr. Chater then moved, and Mr. D. J. Clarke seconded, and it was also carried: "That the Colonial Secretary of Great Britain be written to through the Governor-in-Council, and that he be advised of this motion and given reasons for same."

Victoria.

APPRENTICESHIP INDENTURE.—The Pharmacy Board have been asked whether any special form of apprenticeship indenture is necessary for chemists' apprentices. Under the Medical Act all that is necessary is that the apprenticeship should be to a duly registered pharmaceutical chemist in his open shop, or to a dispensary or other public institution under the management of a registered pharmaceutical chemist, and that the period of apprenticeship must be for four years. The only point with which the Board has found it necessary to deal is that an apprentice to a firm must be under the control of a partner or partners.

South African News.

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Associations of Chemists in business in British South Africa.

Cape Colony.

EXAMINATION.—Six out of eight candidates were successful at the examination held in Cape Town by the Pharmacy Board of Cape Colony on May 11 and 12, this being a record number of passes for the Board's examination. Messrs. Asher, Buxton, Morris, Rollnick, South, and Benjamin are the successful candidates, the four first-named being students of the Pharmaceutical Society's School in Cape Town.

THE PHARMACEUTICAL SOCIETY OF CAPE COLONY has achieved the distinction of being the first South African Pharmaceutical Society to have enrolled over a hundred members—the present register containing 102 names. As the total number of chemists on the Cape Pharmacy Board's Register is below 300, and two other societies between them account for about seventy names, the result must be considered a great triumph for the energetic President, Dr. W. Froembling, and the equally energetic Hon. Secretary, Mr. H. R. Peck.

Natal.

BUSINESS CHANGE.—Mr. H. J. Brereton has taken over Mr. T. D. Charlton's Pharmacy in Pinetown.

CONFERENCE DELEGATES.—Messrs. C. A. Fawcett, Secretary of the Natal Pharmacy Board, and D. S. B. Anderson, Secretary of the Natal Pharmaceutical Society, were chosen by the Pharmacy Board as delegates to the Conference in Bloemfontein. They left for the Orange Free State capital on May 14.

Transvaal.

PERSONAL.—Mr. H. L. Karnovsky, of Sive Bros. & Karnovsky, leaves Johannesburg on Monday, May 16, to join the mail steamer for a six months' holiday in England and the Continent.

THE DELEGATES for the Medical and Pharmacy Conference to be held at Bloemfontein during the week left by the night train on May 15. The Pharmacy Board was represented by Messrs. B. Owen Jones, M.L.A. (President), and R. Butters. Mr. W. A. J. Cameron, Secretary of Medical Council and Pharmacy Board, also accompanied the delegates. The medical representatives were Dr. W. T. Davies (President of Medical Council), Dr. Veale, and Dr. J. Van Niekirk (who is also a member of the Pharmacy Board); and Mr. W. D. Quinn was the dental member.

Legal Reports.

Poisons and Pharmacy Acts.

CAN LICENSEES DELEGATE THEIR POWERS?

The first of a series of actions raised by the Pharmaceutical Society against various parties for recovery of the penalty imposed by Section 15 of the Pharmacy Act, 1868, for the illegal sale of poison was heard by Judge Harington at the Kingston County Court on June 3, when William J. Nash, an assistant to James Nash & Sons, nurserymen and florists, 11 High Street, Wimbledon, was sued for 5*l.*, the penalty mentioned, for having on March 21 last sold a bottle of XL-All insecticide, he not being a registered person or the holder of a licence to sell such substances. Mr. W. S. Glyn-Jones, instructed by Messrs. Flux, Thompson & Quarrell, appeared on behalf of the Society; and Mr. T. G. Dobbs, solicitor, Worcester, appeared for the defence.

CASE FOR THE PROSECUTION.

Mr. Glyn-Jones, in opening the case, explained that the action was to recover the penalty incurred by defendant by reason of his having committed a breach of Section 15 of the Pharmacy Act, 1868. In this instance the poison had been sold by a person who was not a registered chemist. In order to save time, he might be permitted to anticipate Mr. Dobbs by explaining that the defence was that the master of the defendant was the holder of a licence to keep open shop for the sale of poison under the Poisons and Pharmacy Act, 1908. Section 15 of the Act of 1868 was the law up to 1908, and under it no person who was not a registered chemist could keep an open shop for the sale of poisons, nor could he, with his own hand, sell a poison. In 1908, however, an amending Act was passed which provided for the sale of certain poisons for specified purposes. Here Mr. Glyn-Jones quoted Section 2 of the 1908 Act, and reminded his Honour that the point at issue in the case was whether the fact that the master of the defendant holds a licence under that statute could be put forward as a defence for the defendant in that he himself, not being so licensed, sold the poison.

His Honour: Is there any question as to the purpose for which the poison was to be used?

Mr. Glyn-Jones: Your Honour, we admit that the article sold was to be used for the purposes mentioned in the Act of 1908. Perhaps I had better explain that if the person licensed had sold the poison by his own act he would have been within the provisions of the Act. Replying to a further question by the Judge, Mr. Glyn-Jones explained that XL-All insecticide contained nicotine in considerable quantities. His Honour would see that the section under which the action was raised made it an offence for a person to sell or keep open shop for the sale of poisons. He would be able to show that these were two distinct acts, and that the fact that the employer held a licence to keep open shop and to sell poisons was not an answer or a competent defence for an unqualified and unlicensed person in his employ selling a poison. Mr. Glyn-Jones then proceeded to call evidence.

George Waldock proved his purchase on March 21 of half a pint of XL-All insecticide at the shop, 11 High Street, Wimbledon. Mr. Nash, jun. (the defendant), served him, and on receiving the price charged for the article handed him a receipt signed "W. J. Nash." With the exception of a female there were no others in the shop. He recognised the bottle produced as the one he purchased and subsequently forwarded to Mr. Moon, of the Pharmaceutical Society. Cross-examined by Mr. Dobbs, witness stated that "Murray House, Wimbledon," was the address he gave when purchasing the poison, but he did not live there. Witness was cross-examined further and re-examined briefly by Mr. Glyn-Jones.

Mr. Moon, clerk to the Pharmaceutical Society, stated that on March 23 he received the bottle produced from the preceding witness. He retained it for some time and forwarded it to Mr. Tickle for analysis.—Cross-questioned by Mr. Dobbs, witness outlined the powers of the Pharmaceutical Society under the Act of 1868 for the conducting

of examinations and the registration of qualified persons. Mr. Moon agreed that the Act of 1908 vested with local authorities the right to grant to persons, other than chemists and druggists, licences to sell poisonous compounds for use in horticulture and agriculture. The Privy Council regulations under that Act and also under the Arsenic Act ought to be endorsed on the back of the licence so granted. One of the regulations specially provided by the Privy Council was that the person so licensed could not break bulk; another was that the label on the bottle should bear the name and address of the seller and also the word "Poison." Q. These are the only regulations which apply to the sale of insecticides by licensed persons? A. I do not remember the regulations, and I cannot recollect of any more at present. Q. May I point out that no breach of these regulations has been committed in this case?

Mr. Glyn-Jones: I have no wish to interrupt my friend, but that is not the point at issue.

His Honour: The point is whether the Act allows the defendant to sell.

Mr. Glyn-Jones: That is the point raised in this case.

Mr. Dobbs: Your Honour will see that to sell poison there is qualification by examination and qualification by the granting of a licence. The Pharmaceutical Society has the right to prosecute the holders of the licences or their assistants for a breach of the Act or of the regulations. (To Witness): As these poisons are sold in sealed packets, where is the danger to the public? A. There is the same danger as in selling a bottle of chlorodyne—much more, I should say, because this is a more deadly poison. In re-examination, witness stated that the duty of enforcing this section of the Act is imposed upon the Pharmaceutical Society by Section 12 of the Act of 1852. In answer to Mr. Dobbs, witness admitted that a number of cases are pending on lines similar to this one—several on this point, and several on various points.

His Honour: Is this the first one?

Mr. Dobbs: Yes, your Honour.

His Honour: That is very unfortunate. (Laughter.)

Mr. Thomas Tickle, F.I.C., Exeter, stated that on May 27 he received from Mr. Moon the bottle produced, analysed its contents and found it to contain 133 grains of nicotine, a poisonous vegetable alkaloid included in the schedule of poisons. It was a dangerous poison, 1 grain of which would kill a person. In reply to Mr. Dobbs, witness stated that the poison was used for killing fungi.

Mr. Dobbs quoted Section 2 of the Act of 1908, viz.:

"So much of the Pharmacy Act, 1868, shall not apply in the case of poisonous substances to be used exclusively for the destruction of insects, fungi, or bacteria, or in sheep-dips or weed-killers, which are poisonous by reason of their containing arsenic, tobacco, or the alkaloids of tobacco,"

and asked: "Did the article contain an alkaloid of tobacco, and is it a compound?" Witness replied in the affirmative.

Mr. Glyn-Jones then produced the Register of Pharmaceutical Chemists and Chemists and Druggists to show that defendant's name did not appear therein, and intimated that this closed his case.

SPEECH FOR THE DEFENCE.

Mr. Dobbs admitted that his client was not a registered chemist, and said he did not for one moment contest the question that there was a sale, and that his client, who handed over the bottle, was a servant of the licensed person James Nash, trading as James Nash & Sons. The whole question was one of how the Act was to be construed. He had asked the Pharmaceutical Society for an admission as to the holder of the licence, but they refused to make any admissions, and he was, therefore, compelled to call the Town Clerk of Wimbledon to produce the register showing that Mr. Nash was the licensed person.

Mr. Glyn-Jones interrupted with the remark that the Society was asked to make admissions regarding the partnership of Nash & Sons and its bearing in relation to the licence, which they refused to do.

Mr. Dobbs (continuing) said that the fact remained that they refused to make any admissions. Having quoted the preamble and Section 15 of the 1868 Act, Mr. Dobbs proceeded to argue that Section 17 was the only one in

that statute which applied to persons duly licensed by a local authority under the Poisons and Pharmacy Act, 1908. This section provided :

"It shall be unlawful to sell any poison, either by wholesale or retail, unless the box, bottle, vessel, or cover in which such poison is contained is distinctly labelled with the name of the article and the word 'Poison,' and with the name and address of the seller of the poison."

That, Mr. Dobbs contended, was the part of the statute affecting this case. The section proceeded :

"The person on whose behalf any sale is made by any apprentice or servant shall be deemed to be the seller."

Mr. Dobbs here put in the licence granted to Mr. James Nash, trading as James Nash & Sons, and submitted that according to the Interpretation of Statutes Act, 1888, the word "person" when used in the singular should also be applied in the plural, and that in this case the licence granted to James Nash, trading as James Nash & Sons, should be so interpreted.

The Judge : I should like to see the section of the Act of 1908 which provides that under that Act the person who sold should be required to have a licence.

Mr. Dobbs : There is nothing to say it otherwise than the latter portion of Section 2, which says, "if the person so selling and keeping open shop is duly licensed." Having read Sub-section 2 of Section 2 of the 1908 Act, providing that before any licence is granted the local authority shall take into consideration whether the reasonable requirements of the district for which the licence is sought are met, Mr. Dobbs submitted that the licence was granted to James Nash, of James Nash & Sons, for premises at 11 High Street, Wimbledon, and that it was at this place where the sale was actually made. He contended that Sections 1 and 15 of the Pharmacy Act, 1868, did not apply to the servants of a duly licensed person carrying on business at the particular address mentioned in the licence. "The Act of 1868 only applies to persons who are qualified by examination," Mr. Dobbs continued. "I would also point out that a chemist and druggist who is so qualified by examination can have in any particular area, or in any town in England, a shop at which he can sell poisons. A licensed person cannot do so unless he has a separate licence for each place where he sells."

Mr. Glyn-Jones : My friend must not say so. My friend knows that a chemist cannot open a shop for the sale of poisons unless he himself is present to sell the poisons or places another there who is qualified to do so.

Mr. Dobbs : That is not my point. My point is that if a qualified chemist duly registered as a chemist can set up a chemist's shop in Wimbledon, he himself can sell in Wimbledon, and can also set up in the City of London or anywhere else.

His Honour : He might have one in London and another in Wimbledon, but he would himself have to sell the poisons.

Mr. Dobbs : Unless, of course, he put in a qualified man to sell. I am pointing out this because my learned friend dropped the remark that there is a difference between selling and keeping open shop. My point is that the chemist who was registered under the Act of 1868 by examination was intended only to have that qualification—the necessary practical knowledge for dispensing and compounding—the right to sell following as a matter of course. Having borne in mind that by the Act of 1868 chemists were qualified by examination, and that the right to sell poisons applied to them only, I would ask your Honour to note that the Act of 1908 states that so much of the Act of 1868 as applied to these particular persons shall not apply in the case of poisonous substances to be used exclusively in agriculture or horticulture so long as the person who sells them has been licensed. Now, your Honour, we know that the regulations on the back of the licence provide the condition under Section 17 of the Act of 1868 that the bottle or vessel shall be duly labelled "Poison," and shall bear the name and address of the seller. I call your Honour's attention to the fact that all these conditions were complied with when this sale was effected.

His Honour : Yes, I see that the label on the bottle complies with the regulations of Section 17 of the Act of 1868.

Mr. Glyn-Jones : That is so, and I said so from the very start.

His Honour (to Mr. Dobbs) : You say that a person who sells on behalf of a person who holds a licence has a perfect right to sell?

Mr. Dobbs : That is my point. I contend, of course, that Section 15 does not apply here because there is a difference. Any cases my friend may quote in support of his contention—which I shall have the right to reply to—were tried and decided before the Act of 1908 was passed. That Act was passed to enable people in a particular district to be supplied with a particular article to use in connection with a particular trade. The poison supplied under this Act is distinct from medicine, and therefore the licence granted under the Act applies to premises and to the person who carries on business at the premises. He is allowed to sell these articles so long as he does not break bulk and complies with the provisions in the regulations of the Privy Council, one of which is that he shall keep the articles in a certain place in his shop. Your Honour may read those regulations on the back of the licence. But your Honour will note that the Regulations 13 to 18, which apply to the licensed person, do not apply to the chemist and druggist. It was, therefore, the intention of the Legislature to take out of the Act the portions or sections which applied to the persons qualified by examination, and to put the responsibility upon those people who were licensed by the local authority. The regulations are made by the Privy Council, and I therefore contend that as all these were complied with in this case no offence was committed by reason of the poison being sold on the premises for which the licence was granted. Proceeding, Mr. Dobbs supported his contention by stating that the meaning of "licence" was well defined by the Intoxicating Liquors Act and kindred statutes. Section 3 of the Licensing Act of 1872, he said, provides :

"No person shall sell or expose for sale by retail any intoxicating liquor without being duly licensed to sell the same, or at any place where he is not authorised by his licence to sell the same."

His Honour : I cannot quite see how that is applicable to this case.

Mr. Dobbs again quoted the words from the Licensing Act, and went on to declare "The Act of 1908 provides that a person is duly licensed to sell or to keep open shop, and I submit that the two things mean one and the same to the extent that it is a licence to sell on particular premises." Mr. Dobbs then pointed out that before a new licence was granted notice of application having been made had to be advertised in the papers. The same condition applied to applications for licences under the Sale of Intoxicating Liquors Act. When the application came before the Magistrates, the applicant had to produce a character as to his fitness to hold such a licence. That, he contended, applied more or less to an application for a licence for the sale of poisons, in that the local authority had to be satisfied as to the fitness of the individual to hold it, and also as to the requirements of the district. In passing the Act of 1908 the intention of the Legislature was not to provide for the sale by an individual, but to provide a place in a particular area where poisonous substances for agricultural and horticultural purposes could be obtained. The words "keep open shop" now applied to the taking of an order by a representative under the authority of a duly licensed person. Mr. Dobbs supported this view by quoting the decision in the case of the Pharmaceutical Society v. White, which, he said, was tried by his Honour's worthy father. White, he said, was a nurseryman in Worcester. Having been approached by a representative of the Pharmaceutical Society, he took an order for a weed-killer, received the money, and gave a receipt as agent for the Boundary Chemical Co. The County-Court Judge held that White was not the seller within the meaning of the Act. That decision was appealed against, and the case went up to the Court of Appeal. The judgment was upheld. He submitted that the whole dictum in that case showed that the person who merely took the order, without stocking the weed-killer, was not the person who was liable under the Act. "I would like to refer to the law report of this case, and

therefore hand it in." Mr. Dobbs went on to say: "I do so with all due respect to learned counsel and the book he has written on the subject; but I think reference should be made to the actual report, and for your Honour's assistance I shall hand it in."

Mr. Glyn-Jones remarked that in referring to his book he did not suggest that the reprint of the case which it contained would be accepted without question.

Mr. Dobbs: I have not read your report. The contract of sale was as between the purchaser and the Boundary Chemical Co., White only acting as agent. That decision was given prior to the Act of 1908.

His Honour: I shall probably put my judgment in writing.

Mr. Dobbs: Well, now, your Honour, in referring to all these cases which my learned friend will probably quote, I would like your Honour to bear in mind that these were decided prior to the Act of 1908. It was after the case of White that it became necessary to look into the position respecting the trade. I do not know if my friend will object to my giving a little history of the matter.

Mr. Glyn-Jones: Yes. The case is one involving facts.

His Honour: I shall have to construe the provisions of the Act as they appear, and I do not think I can go into any question as to the reasons for which the Act was passed. Very probably, when I read the preamble, I shall have something to say about it.

Mr. Dobbs: But at the same time one has also to take into consideration the intention of the Act.

His Honour: Yes, but I can quite gather that from the provisions of the Act.

Mr. Dobbs, continuing, quoted cases under the Licensing Acts where persons, the servants of the holders of licences, who sold liquor were not held to be guilty of an offence. He stated that similar findings had been given under the Spirits Act, the Explosives Act, and the Medicine-stamp Acts, where persons holding the necessary licences delegated to others their powers to sell.

His Honour: Your strongest point seems to be this, that in this case the defendant has complied with the regulations of Section 17 of the Pharmacy Act, 1868, and these are the only requirements he has to comply with under the Act of 1908. So that if he is exempted from the provisions of Section 15, he is not exempted from those of 17, but has complied with them.

Mr. Dobbs: There is one point which I should like to refer to, and that is the question of convenience. Supposing your Honour should find against me on Section 15, I would point out to your Honour to bear in mind that the Act will then become a dead letter in the islands and highlands of Scotland. Supposing that a chemist's shop is not to be found within a distance of fifty miles of a person who is urgently in need of a sheep-dip, and that James Nash, being the only person who was licensed to sell and keep open shop, became unwell, or had to come to London. The whole of the neighbourhood for the period during which he was absent would be without the opportunity of obtaining the sheep-dip they required for an urgent purpose. I take it that the intention of the Legislature was the articles could be sold during the absence of the licensed person. Mr. Dobbs then proceeded to call witnesses.

EVIDENCE FOR THE DEFENCE.

Mr. Alfred Steel Sheldon, Town Clerk of Wimbledon, recognised the licence held by Mr. James Nash as the one issued by his Council, and agreed that the terms in which it was drafted were in accordance with the regulations. Cross-examined by Mr. Glyn-Jones: Q. As you understand it, this is a licence granted to an individual? A. I do not say that. Q. It is a licence granted on the application of an individual. In what form was the application made? A. It was made by James Nash, trading as James Nash & Sons. Q. And as far as the local authority is concerned, the only person they know is James Nash? A. The only person, yes. Re-examined by Mr. Dobbs: But you knew who carried on the business?

Mr. Glyn-Jones: He cannot say that.

Witness, in reply to further questions put to him by Mr. Dobbs, said that before granting the licence to Mr. Nash the local authority caused inquiries to be made as

to the position of the locality and as to whether or not the premises at 11 High Street, Wimbledon, were suitable for carrying on the business for which the licence was applied. The committee having satisfied themselves that the requirements of the locality justified their action, and that the applicant was a fit person to hold the licence, recommended that it be granted, which was done. Personally he did not know whether Mr. Nash was the son of the former James Nash, or whether he had sons associated with him in business.

Mr. James Nash was then called. He deposed, in answer to Mr. Dobbs, that defendant was in his employ, and that he authorised him to sell substances for use in connection with agriculture and horticulture. When he sold the bottle, or took the order and supplied the bottle, he did so as witness's servant or manager. In cross-examination, witness declared himself sole proprietor of the business. There were two in the shop who sold poisons besides himself, one of whom was his son, and neither of them was licensed. "Neither of them is licensed?" Mr. Glyn-Jones asked a second time. "Oh! certainly not," replied witness. Q. If you engaged another assistant to-morrow, would you let him sell these poisons? A. Yes.

W. J. Nash, in reply to Mr. Dobbs, admitted taking the order for and supplying the insecticide in question.

Mr. Glyn-Jones: Your father was not there when the sale was made.—Witness: Oh! no.

This closed the case for the defence.

SPEECH FOR THE PROSECUTION.

Mr. Glyn-Jones, in his reply, said he did not intend to go over quite the same ground as Mr. Dobbs had done, but there was one point he had overlooked. Mr. Dobbs had been dealing with Section 2 of the Act of 1908 as if it was that section which created the offence. As a matter of fact, it was Section 15 of the Act of 1868 which did so. All that Section 2 of the 1908 Act did was to amend Section 15 of the older Act in certain particulars. It was not a case of its having been found necessary for the first time to provide for restrictions upon the sale of these articles by means of licences; it was a case where under certain circumstances exemptions from the restrictions already enforced were applied. "I would call your Honour's attention to Section 15, under which these proceedings are taken," Mr. Jones went on to say. "My friend says that that section does not apply to the defendant, but your Honour can see that Section 15 applies to all unless they are licensed. Section 15 of the 1868 Act makes it an offence to do, among other things, either of two things—either to keep open shop or to sell. Now, your Honour, fortunately, there is the clearest authority about these two separate offences. I would refer your Honour to the judgment of Lord Selborne in the case of the Pharmaceutical Society v. the London and Provincial Supply Association. Despite my friend's warning to me, I will refer your Honour to page 343 of my own book. That is a reprint of the case as reported in the 'Law Reports.' My friend can follow me, and, if it is not correct, inform me and the learned Judge. Your Honour will see that in that case the question at issue was whether a limited-liability company were liable under this section for keeping open shop and selling poisons, the company not being qualified. In this case Lord Selborne drew the clearest distinction—and so did Lord Blackburn—between the two—keeping open shop and selling. Lord Selborne said:

"The act of selling, the act of compounding, and every other definite and particular act mentioned in the first section, and in the sections by which penalties are imposed, are struck at, whether the person who does them is a principal to whom the business belongs, or anyone whom he employs to carry on the business. The words 'keep open shop' may perhaps not be so; upon those words I will make an observation presently. But that the word 'sell' is, and that the word 'compound' also is, seems to me clear from that very clause in the seventeenth section which I just now read: that 'for the purposes of this section, the person on whose behalf any sale is made by any apprentice or servant shall be deemed to be the 'seller.'"

Here Lord Selborne goes on to:

"That, if it does not necessarily mean, beyond all doubt naturally implies, that this is a special construction for the

purpose of that particular section, and that it is not to be extended to sales generally when mentioned in other sections of the Act. I will add, that regard to the mischief, which beyond all controversy the Act was intended to prevent, leads necessarily to the same conclusion—namely, that he who sells, whether he be master or servant, whether he be the principal or a person to whom the conduct and management of sales is delegated, is struck at by the fifteenth section, because otherwise a very wide door would be opened to the evils which the Act was intended to guard against. If it were otherwise, nothing more would be necessary, according to the appellant's own argument, than that the business should belong to a person who does not himself carry it on, but who is qualified under the Act; and he might be at liberty to employ in the management of his business persons not qualified, by whom the actual sales would be conducted, and then the public would be exposed to all the dangers which the Act was passed to prevent. The statute, therefore, in order to be effectual, must strike at the particular acts of those who actually conduct the sales, who actually compound the medicines; and it does not strike at those acts.

Then Lord Blackburn, your Honour will see on page 352, says:

"I hold distinctly that there can be no sale, whether a corporation be the ultimate vendor or not, unless 'a person'—meaning a natural person—manages the sale, and that natural person if unqualified would, in my mind, clearly become liable to the penalty under the Act.

Then there is, of course, the very highest authority I can possibly get, although in this case these very points were not in issue. These arguments, these dicta, were only given in order to show that there would be protection of the public even if companies were held to be outside the fifteenth section because of the necessity of the actual seller being employed in the shop. But in the case of the Pharmaceutical Society *v. Wheeldon*, reported on page 354, there the exact point was raised, and I think this case put the point beyond doubt. That was a case where an assistant was charged with selling a poison. The master was a chemist; the assistant was not. It was the chemist who was sued for the penalty, and Mr. Justice Hawkins said:

"Nothing to our minds can be clearer than that the object of the Act was beyond all other considerations to provide for the safety of the public, and to guard, as far as possible, all members of the community from the disastrous consequences so frequently arising from the sale of poisons by persons unacquainted with their baneful properties, and that the whole object of the Act would be frittered away and the Act itself become a dead letter were we to declare that an unqualified assistant may with impunity sell any of the poisons to which the Act applies, unless upon the occasion of such sale he acts under the personal supervision of a qualified employer or a qualified assistant to such employer."

Then Mr. Justice Hawkins goes on to say:

"In our opinion, the intention of the Legislature was expressly to provide against such a state of things by insisting upon one uniform qualification for every person who should sell, whether on his own account or for any other person, such dangerous commodities—namely, registration under the Act, based on a certificate of proper skill and knowledge granted after examination by examiners carefully selected and appointed for that purpose.

If these decisions could be given prior to the passing of the Act of 1909, there can be no answer to these points now."

His Honour: How far does the Act of 1908 modify the restrictions?

Mr. Glyn-Jones: The point comes to this, your Honour: What is the effect of Section 2 of the Act of 1908? I submit this, your Honour, that as some of these horticultural and agricultural substances are scheduled poisons, no person could sell them prior to 1908—no one could keep a shop for selling them, and no one, of their own hands, could sell them, unless pharmacists. And under the preamble to the 1868 Act it was stated that it was expedient for the safety of the public that those substances should only be sold by certificated persons. When we come to the 1908 Act the position is quite clear. It is not the first sections which create the offences. They qualify Section 15 of the 1868 Act. [Here Mr. Glyn-Jones read Section 2 of the Poisons and Pharmacy Act, 1908.] Now, your Honour made a point that the defendant has complied with Section 17 and with the regulations made by the Privy Council under Section 17 of the Act of 1868. That may well be; but any person who fails to comply

with Section 17, which provides regulations for the labelling and registering of sales, whether he is a chemist or not, is liable. We are here dealing with the exemption from the duty to be qualified in order to carry out certain things which the Act prevents being carried out by people who are not qualified chemists. We have not sued Mr. Nash senior for keeping open shop. He is entitled to do so by his licence, but what we submit is that his licence cannot possibly cover any number of assistants that he may choose to employ to sell these substances. The strongest words I can put forward in support of my contention are those that were used in the *Wheeldon* case. Here was a retailer who needed no licence. He had the qualification to keep open shop and to sell. The courts held there that his qualification to keep open shop and to sell was not a qualification to the unqualified assistant to sell. The court said: "This selling is a separate Act, and it requires a qualified person to do it. The fact that the master is qualified to keep open shop is no answer." That being undoubtedly the law, in view of the *Wheeldon* case, I submit it is no argument in this case—at least it seems to me not arguable—to say that the licence covered the sale in this case. To put it in another way, if Mr. Nash had been a registered chemist, and this poison had been purchased from young Mr. Nash, young Mr. Nash would have been clearly liable. Mr. Nash can get nothing by way of protection from this section unless he is licensed; and there is good reason, I submit, for this, because your Honour will see from the answer given by the Town Clerk of Wimbledon that it is the duty of a local authority before granting a licence, to satisfy itself as to the fitness of the person who is going to hold this licence. And if my friend's contention is the right one, it will mean that if a master has got a licence it is left entirely to that master as to what kind of people he will employ to sell these poisons, and carry out the restrictions under this, the Arsenic, and other Acts. I do not say it is likely, but it is quite possible for Mr. Nash to allow a child, or a boy, or a person who is quite of unsound or immature mind to deal with these poisonous things. But the law, as I submit it does, prevents that by saying that the people who actually sell these poisons must be qualified, and, if not qualified, they must be licensed.

His Honour remarked that the Act of 1908 extended the power to sell certain poisons to persons licensed by the local authority instead of confining it to the pharmaceutical chemist.

Mr. Glyn-Jones: To put it in another way, it was to limit the restrictions which, prior to 1908, existed in connection with the sale of these poisons. Prior to that no scheduled poison could be sold by or purchased from any but qualified persons. The Act of 1908 does not create any fresh offence. It simply says, "We will permit certain poisons to be sold, to be kept in a shop and sold by certain people," and then, in order to know what is to be done in this way, the local authority has to see who those people are who should be so allowed to act.

Mr. Dobbs: In accordance with the requirements of the district.

Mr. Glyn-Jones: Well, we are not going to quarrel about the notice that has to be given in that connection. It does not affect the position in this case. The local authority came to the conclusion that it was necessary or advisable in the interests of the public that a person should have the licence in the locality. That person, James Nash, has been licensed, and he is the only person on these premises who can sell and claim any protection under the Act of 1908.

Mr. Dobbs: You are entering into reasons which I did not enter into.

Mr. Glyn-Jones: I wish you would not interrupt. I repeat that the only person by right in that shop who can claim any protection from the fifteenth section is the person who holds the licence. I do not think I need elaborate that point any further.

His Honour: I quite see your point.

Mr. Glyn-Jones: I only want to deal with one question that has arisen. In regard to my friend's licensing case the decision is quite different. By the Act of 1908 you have got something which is to provide an exceptional

facility for an unqualified person. The whole purport of this is entirely different from the ordinary principles governing ordinary licences. The preamble to the Act of 1868 shows clearly that the intention of the Act is to provide that the people who handle those poisons—whether in closed vessels or not—because the new enactment does not take this outside the Act of 1868—shall be qualified. But in exceptional circumstances a man may now escape from the necessity of qualification if he has got a licence. That is my point in regard to the licensing cases which my friend mentioned. Then, again, as to his statement of the position of the people of the islands and highlands in the event of this gentleman who is licensed being ill, and people having to wait for their insecticide or sheep-dip until he was better, or until someone else could be reached. If it were a chemist who was ill, then those who needed medicines to cure human beings would have to wait. If he puts this case of difficulty arising, then it applies as much to the one case as to the other. There is nothing to prevent Mr. Nash applying for licences for the necessary number of assistants in order that they should be in a position to act in his absence. I ask your Honour to say that clearly this gentleman has committed an offence under Section 15, and that he is not protected by this section because he is not a licensed person.

JUDGMENT RESERVED.

Mr. Dobbs pointed out that a similar case would come before his Honour at Wandsworth on Monday.

Mr. Glyn-Jones: Has my friend any *locus standi* to deal with the case on Monday?

Mr. Dobbs: No, except that on behalf of the trade I am representing, I would suggest that, as your Honour's decision in this case will be of such importance, it might be possible to adjourn the cases in other courts pending your Honour's decision.

His Honour: I will give my judgment as soon as I can, but my time is taken up very much indeed.

Mr. Dobbs: It occurred to me that you might then deal with all the cases in which the point is the same.

Mr. Glyn-Jones: That is not a matter before us now.

His Honour: I do not know. I am not going to sit on Monday till a quarter to twelve. I have to go down to Worcestershire on business.

Mr. Dobbs: Might I refer your Honour to a decision in the case *Edwards v. the Pharmaceutical Society*?

Mr. Glyn-Jones: That was an action under Section 17, which has nothing whatever to do with this case.

Mr. Dobbs: The point is nevertheless an important one.

Mr. Glyn-Jones: I shall have to reply to you if you raise that question.

His Honour then intimated that he would defer his judgment.

An action similar to the foregoing—the *Pharmaceutical Society v. Thompson* (of Richmond)—was down on the list for hearing at the Wandsworth County Court on June 6, but by agreement between the parties' solicitors it was adjourned *sine die*.

High Court Cases.

[Unless where otherwise stated the actions are in the High Courts of Justice, London.]

CADAS, LTD.

The Court of Appeal, consisting of Lord Justices Vaughan Williams, Fletcher Moulton, and Buckley, heard on June 8 an interlocutory appeal in the case of *Fellows v. Cadas, Ltd.* The appeal on behalf of the defendant company was against the refusal of Mr. Justice Bucknill to grant an interim injunction restraining Mr. Albert Hope Fellows from holding himself out as managing director of the company. After hearing counsel, the Court made no order, but intimated that the case was one in which the Judge might well think fit to advance the trial, and both parties agreed to do what was possible in that direction. Lord Justice Vaughan Williams intimated that advantage ought not to be taken of this interval to deal with controverted questions of policy. Mr. Benson said that it was only intended to carry on the business as heretofore.

DENTIST'S ACTION FOR ALLEGED LIBEL.

The Lord Chief Justice and a special jury, sitting in the King's Bench Division, commenced the hearing on June 8 of an action for damages for alleged libel brought by Mr. Albert Maurice, L.D.S., 76 Wimpole Street, Cavendish Square, W., against the British Dental Association and Messrs. Bale, Sons & Danielsson, printers, of Titchfield Street, Oxford Street, W. Plaintiff's case was that from a publication called the "Topographical List of Registered Dentists for 1909" the defendants omitted his (plaintiff's) name, thereby doing him considerable injury. Defendants denied any duty to plaintiff to include his name in the list, and also denied that he had suffered any damage. They further alleged that there was no libel. Counsel and witnesses were heard, and the case was adjourned until June 9, when his Lordship ruled that there was no breach of personal duty on the part of the Association, and therefore plaintiff would have to rely on the question of libel. Evidence was then called to show how the name was left out, and other witnesses having been examined, the jury returned a verdict for the defendants. Judgment was accordingly entered, with costs.

County Court Case.

A DEBTOR'S TROUBLES.

In the Shoreditch County Court, on June 3, an application was made to Judge Bray by Mr. Lawrence Lynch, Lawrence's Drug-stores, 134 Goldhawk Road, Shepherd's Bush, to set aside a committal order of ten days for the non-payment of 40s. a month which had become due on a judgment summons for 4l. 1s. 6d., out of a total indebtedness of 10l. 1s. 11d. The applicant said the business had been taken over by a Mr. Hurley, a comedian, who really knew nothing of the business, and he was only managing it for him at a small salary. Under the circumstances it was impossible for him to meet such a heavy liability. The plaintiffs were Messrs. Sullivan & Co., 16 Dalston Lane, N.E., and it was suggested by them that the defendant had shifted all his fixtures from his old shop at 97 Newington Road to the shop he now occupied, and which he carried on in the assumed name of Lawrence, which was his Christian name. His Honour adjourned the case until June 13 to enable the defendant to pay.

Bankruptcy Reports.

Re John Henry Kirby, Ongar, Essex, Chemist and Druggist.—The public examination of this debtor took place at the Shirehall, Chelmsford, on June 1. The position of his affairs was reported in the *C. & D.*, May 21, p. 763. The Official Receiver, referring to this, said the debtor was entitled to the sympathy of the Court. A man could not struggle against the adversity of competition and declining trade, especially at the debtor's time of life. Eventually the examination was formally adjourned.

Re Shrager Bros., 4 Lloyd's Avenue, E.C., also at Calcutta and elsewhere.—At the London Bankruptcy Court on June 7, an application was made to Mr. Registrar Linklater under this failure. The firm failed in 1905, with total liabilities 320,664l. (unsecured, 229,563l.), and assets valued at 55,811l. A sum of 23,436l. has been realised by Mr. C. J. March, C.A., the trustee, and a dividend of 1s. 3d. in the pound has been paid to the creditors. The firm dealt in jute, gunnies, castor oil, rice, bone-meal, shellae, and precious stones, the annual turnover amounting to between 3,000,000l. and 4,000,000l. The failure was attributed to the withdrawal by bankers of financial facilities previously enjoyed, and to shortage of the jute-crop. Upwards of 155,000l. of the firm's deficiency was in respect of losses on contracts entered into by the firm for forward delivery of jute and gunnies. Mr. Hansell stated that he appeared on behalf of Mr. Isaac Shrager, who had applied for an order of discharge from the bankruptcy. The report of the Official Receiver contained matters of a serious character, to meet which it would be necessary to obtain the evidence of the applicant, who is at present in India. Under those circumstances, he was instructed to ask for the application to stand over until his client could attend in court. His Honour pointed out that notice had been given on behalf of the applicant to dispute nearly the whole of the findings of the Official Receiver. The failure occurred five years ago, and it looked as if this application had been launched on the off-chance of its not being strenuously opposed. His Honour eventually adjourned the application until October 19, 1910.

Re C. A. Slater, Sons & Co., 19 Oldhall Street, Liverpool, General Produce Brokers and Merchants.—The public examination of these debtors was held at the Liverpool Bankruptcy Court on June 6. The statement of affairs shows liabilities amounting to 8,729*l.*, with assets of 1,844*l.*, consisting mostly of book-debts in Japan, China, India, and elsewhere. The partnership comprises Mr. C. A. Slater and his son, Mr. C. S. P. Slater. The former was now examined. He stated that he commenced business about twenty years ago, having a capital of some 2,000*l.* in cash and shares, which came to him under the will of his father, who died about that time. Afterwards he took his son into partnership; but subsequently what was intended as a dissolution took place, and the son continued on at a salary. The dissolution, however, was not gazetted, and it having been put to them that in law the partnership still existed, both he and his son had accepted that position. The bankrupt admitted that his books were in such a condition as to be of very little service in the investigation of the business dealings. Letters of engagement or trust had passed between the firm and the bank, by which the firm undertook to deal with specified goods as trustees for the bank and to immediately pay over into a special account proceeds of the sale of goods. He admitted that in some cases this had not been carried out, with the result that large sums were now owing. He admitted that the bank's claim of 9,031*l.* 8*s.* 8*d.* was correct, and that there remained 2,032*l.* 19*s.* 4*d.* unaccounted for, proceeds of the sale of goods hypothecated to the bank, and that the undertakings of the firm to the bank had not been faithfully carried out. An order was made for the filing of accounts, and the public examination was adjourned to August 8.

Gazette.

Partnerships Dissolved.

COWARD, E. G., and MAFFIN, H., physicians and surgeons, Moldgreen and Almondbury, Yorks, under the style of Coward & Maffin.

PILKINGTON, F. W., and STANDRING-SMITH, R. C., general medical practitioners, Kencott, near Lechlade, and Bampton, Oxon, under the style of Drs. Pilkington and Standring-Smith.

The Bankruptcy Acts, 1883 and 1890.

ADJUDICATION.

COWEN, EDWARD INGHAM, Stockton-on-Tees, doctor of medicine.

New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

BANNER'S PURE DRUG CO., LTD. (P.C.).—Capital 500*l.* Objects: To take over the business of a chemist and druggist carried on at 266 Smithdown Lane, Liverpool, and to adopt an agreement with E. R. Banner and E. O. Banner. The first directors are: E. R. Banner, 62 Byrom Street, Liverpool, chemist, and E. O. Banner, 266 Smithdown Lane, Liverpool, chemist's assistant.

PINEYPTA AUTOMATIC DISINFECTOR CO., LTD. (P.C.).—Capital 1,000*l.* Object: To acquire a patent or provisional protection granted to J. R. C. Bogie for a disinfectant-container. The first subscribers and directors are: J. R. C. Bogie, 77 Streteford Road, Urmston, sanitary expert; C. B. Haddock, 175 Russell Street, Moss Side, Manchester, yarn-agent; and A. Norris, Pim Road, Didsbury, Manchester, salesman.

OPERA OMNIA, LTD. (P.C.).—Capital 25,090*l.* Objects: To carry on the business of manufacturers of and dealers in patent, proprietary, and ordinary foods, medicines, drugs, chemicals, and surgical, medical, and other instruments, etc., and to adopt an agreement between Applied Inventions, Ltd., and H. D. Kimber for the acquisition of the business and assets of the said company. The first subscribers are: F. Carver, 24 Bedford Row, W.C., solicitor, and J. E. Baring-Gould, 4 Mermaid Court, S.E., secretary.

Company News.

CAMERAS, LTD.—To be voluntarily wound up. Liquidator, Mr. Frederick Vernon Hansford, 3 York Street, Manchester.

INTERNATIONAL CHEMICAL CO., LTD.—To be wound up. Liquidator, Mr. W. Rooke. Company's offices, 19 St. Dunstan's Hill, London, E.C.

MANN'S DRUG-STORES, LTD.—To be voluntarily wound up. Mr. Charles Braman, 12 King Street, Cheapside, London, E.C., is appointed liquidator.

G. B. KENT & SONS, LTD.—A dividend at the rate of 5½ per cent. per annum has been declared upon the preference shares, payable on July 1, for the half-year ended March 31. The transfer books will be closed from March 17 to 30.

A. J. WHITE, LTD.—The report for the year ended March 31 states that the net profits amount to 34,061*l.* After bringing forward 8,914*l.* and paying the preference dividend, amounting to 30,000*l.*, there is a balance of 12,976*l.*, out of which the directors recommend a dividend of 1½ per cent. upon the ordinary shares, leaving 6,726*l.* to be carried forward.

VIROL, LTD.—The ordinary general meeting of shareholders was held at the Holborn Restaurant on June 7. Mr. B. S. Strauss, J.P., presided, and moved the adoption of the report and accounts. After mentioning the facts reported in the *C. & D.*, June 4, p. 843, Mr. Strauss spoke in commendation of Virol, and the report and accounts being adopted, he was cordially thanked.

LIMITED PARTNERSHIP.—The Godalming Chemical Co. was registered on June 3 as manufacturers and sellers of recipes or prescriptions to be used by veterinary surgeons and others for the treatment of animals of all kinds, Station Approach, Godalming, Surrey. Partnership from May 26, 1910, to June 24, 1912, and thereafter for the lives of the partners, subject to either partner having the right to dissolve the partnership on giving six months' notice. General partner: W. Stillwell, 39 Latimer Road, Godalming. Limited partner: J. H. Gadd, High Street, Godalming, contributing 500*l.* in cash.

BOOTS CASH CHEMISTS (EASTERN), LTD.—Sir Jesse Boot presided at the meeting of the shareholders of this company, held at the Midland Grand Hotel, on Wednesday afternoon, June 8. In moving the adoption of the report and accounts Sir Jesse said this was the eighteenth annual meeting of the company, and he had nothing to report but progress. He knew of no retail trading company, certainly none carrying on their trade, that had been able to produce the same uniform results over so long a period. There were now some 100 high-class shops owned by Boots Cash Chemists (Southern), Ltd., in and around London. All the companies, together with the parent company (Boots' Pure Drug Company), were in an exceedingly healthy condition and financially exceptionally sound and strong, which might be judged from the fact that the total reserves and undivided profits of the five companies amount to 363,623*l.* In the Eastern company, in which they were more particularly interested, they would see from the balance-sheet that the Branch Managers' Provident Fund amounted to about 19,000*l.*, and the general reserve to roundly 80,000*l.* Mr. Oliver Duckworth seconded, and said there were two things he was constrained to refer to, the first being how thankful they were to see the great improvement in health of their chairman, and secondly, to the wisdom shown by his late Majesty King Edward in conferring the honour he had on their chairman. By his gracious act he had opened wider the gate to those who throughout their lives devoted themselves to commerce and the advancement of the country. Mr. John Gibbs was then re-elected to the directorate and Mr. G. C. D. Parsons as auditor, who said that the company had something to be proud of, inasmuch as not only were drugs and medicines cheaper in their own stores, but the chemists throughout the length and breadth of the land had followed the same lines and made it so that drugs were now within reasonable reach of every household. The meeting closed with a vote of thanks to the chairman.

Birth.

GRAY.—At 97 Dunnikier Road, Kirkcaldy, on June 2, the wife of A. McK. Gray, pharmacist, of a son.

Marriages.

GRAHAM—FLETCHER.—At Forthbank, Kirkintilloch, by the Rev. George R. Aitken, M.A., assisted by the Rev. T. Angus Morrison, on June 1, Robert Graham, chemist and druggist, to Katherine Goodwin, daughter of the late Mr. John Fletcher, builder, and Mrs. Fletcher, Forthbank, Kirkintilloch.

HALL—PHILLIPS.—At St. Stephen's Church, Audenshaw, Ashton-under-Lyne, on June 2, Richard Percy Hall, eldest son of Alderman M. L. Hall, ex-Mayor of Ashton-under-Lyne, to Olive, only daughter of Alderman J. J. Phillips, chemist and optician, Ashton-under-Lyne.

HILLS—THOMPSON.—At St. Paul's Church, Avenue Road, N.W., by the Rev. G. A. Ford, vicar, assisted by the Rev.

H. E. Wilson, Vicar of St. Luke's, Hornsey, James Stuart Hills, Ph.C., F.I.C., son of Mr. Walter Hills, of 28 Primrose Hill Road, South Hampstead, to Bessie Sinclair, daughter of the late Mr. Frederick Edwin Thompson.

LORIMER—EWING.—At St. Cuthbert's Parish Church, Edinburgh, on June 2, by the Rev. A. Wallace Williamson, D.D., St. Giles', and the Rev. George G. D. S. Duncan, B.D., St. Cuthbert's, Duncan Lorimer, M.B., F.R.C.S.E., son of Mr. Duncan Lorimer, Treasurer of the Edinburgh Merchant Company, to Margaret Farish, daughter of Mr. James L. Ewing, Master of the Merchant Company and partner in Messrs. Duncan, Flockhart & Co., manufacturing chemists, Edinburgh.

The bride, who was given away by her father, was dressed in ivory satin, with trimmed panels and bertha of duchesse and gauze lace, the corsage trimmed with lace and finished with a sprig of white heath. A train of white chiffon embroidered with crystal beads and tubes was borne by Miss Lucy Meiklejohn. The bride carried a bouquet of lily of the valley. The bridesmaids, who were dressed in blush-pink voile ninon over deep-rose taffeta, trimmed with velvet ribbon, with black picture-hats trimmed with pink roses, were Miss Grant Hunter, Miss Annie Lorimer, Miss Morison, and Miss Edie Hanson. The best man was Mr. George Lorimer, W.S., brother of the bridegroom. Mrs. Ewing wore a robe of black ninon and lace over white, with black-and-white picture-hat. The church was beautifully decorated with flowers and palms. The service was choral, and there was a fashionable congregation, which included, in addition to the relatives of the contracting parties, several members of the Edinburgh Merchant Company, Sir John M. Clark, Judge Inches, and the Rev. Professor Martin. After the wedding a reception was held at Durren. The numerous presents included a sapphire-and-diamond brooch given by the assistants of the Merchant Company.

MAW—FALKNER.—At St. Mark's, Hamilton Terrace, London, W., on June 8, by the Rev. George Trentham Maw, brother of the bridegroom, assisted by the Rev. J. A. V. Magee, Vicar of St. Mark's, Charles Trentham, eldest son of the late Charles Maw, of Nutfield, Surrey, to Emily, eldest daughter of the late Henry Falkner, of Kingstown, Dublin.

METCALFE—SMITH.—At Settle Wesleyan Church, by the Rev. J. P. Back, assisted by the Rev. F. H. Harry, on June 1, W. E. Metcalfe, Ph.C., of Saltaire, younger son of George Metcalfe, M.R.C.V.S., Settle, to Amy, youngest daughter of the late Abraham Smith, of Settle.

WINK—PLATTS.—At St. Mary's, Wimbledon, on June 7, Charles Stewart Wink, M.R.C.S., L.R.C.P., youngest son of the late John Adam Wink, Ph.C., of Chiswick, and of Mrs. Wink, of Wimbledon Park, to Maud Platts, second daughter of Mrs. W. George Whiffen, The Chestnuts, Wimbledon Common.

Deaths.

HAMILTON.—At Hillside, Cloughfin, Islandmagee, on June 8, Mr. George Hamilton, registered druggist, of 120 Bloomfield Avenue, Belfast. Mr. Hamilton had been in failing health for some time, and only a few weeks ago disposed of his Whitehead branch to Mr. May, formerly of Messrs. Haslett's. He retained the Belfast shop, but left it in charge of a manager. He was a native of Co. Armagh, and on giving up the Whitehead business he took to poultry-farming and lived on a farm which he purchased. Prior to opening for himself in Bloomfield Avenue, Mr. Hamilton spent seven years with Mr. Samuel Hill, registered druggist, Castlereagh Road, Belfast. He was a member of the Ulster Drug Trade Association, and leaves a widow and four children.

HARVEY.—At Arley, on May 27, Mr. J. W. Harvey, son of Mr. J. Smith Harvey, chemist and druggist, of Penzance, aged forty-four.

MARTIN.—At sea, on May 3, on his way home from India to Canada, Mr. Robert Rowlette Martin, of Messrs. Martin Elgar, Ltd., Cape Town. Mr. Martin was well known to chemists and druggists in the two hemispheres. He was born in Canada of Irish parents, and was a nephew of the late Mr. Joseph Bosisto, Melbourne, Vic., who introduced eucalyptus oil into commerce. Mr.

Martin graduated at the Ontario College of Pharmacy, Toronto, and subsequently went to Messrs. Parke, Davis & Co., Detroit, for whom he was several years "on the road." Thereafter he had charge of the New York branch of Messrs. Shreve & Dolme's business, where he remained until 1894, when he came to London to undertake the general management of the business of Messrs. Oppenheimer, Sons & Co., Ltd., at the request of Mr. William Oppenheimer. He had not been long settled in London when an old pulmonary trouble broke out afresh, and he went to South Africa. On his recovery he stayed in South



MR. MARTIN (in the pith helmet).

Africa for Messrs. Oppenheimer, and extended his journeys to India. He again broke down, and came to Europe for the Nordrach treatment. After recovering he obtained an agency in South Africa, India, and the Far East for Messrs. Fredk. Stearns & Co., Detroit. His success as a traveller was phenomenal, although he was always battling with tuberculosis—indeed, it had dogged him for more than half his lifetime, and it was only his never-failing courage that carried him through many an attack of hæmoptysis which would have been fatal to most men. In May 1903 he was on board the s.s. *Minona* when it was wrecked on Maldiva Island, and the engraving which is printed in this note is from the centre of a photograph taken then, showing him surrounded by his cases of samples and personal luggage. In view of his precarious health he joined in partnership with Mr. H. Magness Elgar, Cape Town, and as Martin Elgar, Ltd., they jointly represented the American interests (including Johnson & Johnson) in South Africa, the Indian house being Martin & Harris, Bombay. In 1907 Mr. Martin went to Nordrach again, and got sufficiently well to be able to go back to his work; but by this time he had little lung left, and the tuberculosis had extended to the larynx, his voice being affected. Yet he started once more on a long business journey. In April of this year his partners, Mr. Magness Elgar and Mr. H. G. Harris, saw him off from Bombay for Liverpool, and when Mr. Elgar arrived at Durban on May 11 news was awaiting him that Mr. Martin had died at sea. He was a man of about fifty-five, and was certainly one of the most successful salesmen connected with the drug-trade.

MAYGER.—The late Mr. W. D. Mayger, chemist and druggist, Regent Square, Northampton, whose death on June 1 we announced last week, was the oldest tradesman in Northampton. He was born at Shepton Mallet, Somersetshire, seventy-eight years ago, and was there apprenticed to a chemist. Then he had further experience in Manchester, and in 1852 removed to Northampton, where he acquired the business which he had carried on until his death. He was sub-postmaster of Regent Square Post-office for forty-eight years until he gave up the position in 1904, when he was presented with a handsome testimonial by the staff of the chief office. Mr. Mayger was a founder and a past-president of the Northampton Chemists' Association. Despite his age he set an example of enthusiasm by his attendance at, and participation in,

the meetings of the Association, and his absence from the annual meeting, recently, occasioned much regret. Mrs. Mayger died eleven years ago, and their only son in 1882 at the age of twenty-four. Two married daughters survive him. At the funeral, on June 6, the Northampton Chemists' Association was represented by Messrs. E. Dennis, L. North, G. Ingle, F. Kirby, F. Armitt, Flinton, Harris, and F. Cowdery. Among others present were Mr. C. Bond Smith (Potton, son-in-law), Mr. G. Claridge Druce (Oxford), Mr. F. W. Ashton (Croydon, nephew), Mr. J. H. Payne (Thrapston), and Mr. H. W. Clear (Leicester). The service was conducted at Doddridge Church by the Rev. W. Pierce, in presence of a large company, and Mr. Pierce paid a high tribute to the character of Mr. Mayger. It is intimated that the business is to be carried on by the family.

McNEIGHT.—At Glenstal, Foxrock, Dublin, on June 6, Mr. William J. McNeight, J.P., aged seventy-four. Mr. McNeight has been managing director and chairman of Messrs. Hugh Moore & Alexander, Ltd., Linen Hall, Dublin, for about twelve years, and was connected with the business before it was formed into a limited-liability company.

SALT.—On May 26, Mr. John William Salt, chemist and druggist, 12 Holly Road, Handsworth, Birmingham, aged sixty-eight.

Business Changes.

Notes for this section must not be in the nature of advertisements, and they should be authenticated when sent to the Editor.

MR. F. W. EVANS, Ph.C., has opened a business at Cwmfelinfach, Newport, Mon.

MR. SYDNEY McFALL, pharmacist, has purchased the business of Mr. J. Oldershaw, 155 St. Michael's Hill, Bristol.

MR. J. T. ROBSON, chemist, 2 Market Place, Yardley Road, Acock's Green, Birmingham, has sold his business to Mr. Robert Birkett, pharmacist.

MESSRS. A. BOTTLE & Co., chemists, 37 Townwall Street, Dover, have purchased the prescription and recipe books of Mr. Edward Thompson, chemist and druggist, 20 Woolcomber Street, Dover, who has retired.

MR. R. V. SANDERS has taken over the business of the late Mr. E. H. Harry, chemist and druggist, at 57 Old Town, Clapham, London, S.W. In our notice of Mr. Harry's death last week his name was incorrectly spelt.

BOOTS CASH CHEMISTS, LTD., have acquired the retail business of Thomas Powell, Ltd., 7 Bridge Street, Westminster, London, S.W., which they intend to remove to much larger premises next door at the corner of Cannon Row and Bridge Street. These premises, the interior of which is being remodelled, are directly opposite the Houses of Parliament.

Personalities.

Notes for this section must not be in the nature of advertisements, and they should be authenticated when sent to the Editor.

ALDERMAN F. BIRD, pharmacist, Coventry, has been appointed a Governor of King Henry VII. Schools by the Church Charity Trustees.

MR. AND MRS. WHITNEY, of Detroit, who have been in Europe for some time, are in London this week. Mr. Whitney is one of the directors of Messrs. Parke, Davis & Co., Detroit.

MR. F. M. FISK, European manager of Messrs. Parke, Davis & Co., returned last week from his business visit to his firm's headquarters, and resumed his duties at Beak Street, Regent Street, London, W., on June 3.

MR. HERBERT PONTING, F.R.P.S., the official photographer to the British Antarctic Expedition 1910, has taken out with him a full supply of Messrs. Burroughs Wellcome & Co.'s photographic chemicals.

MR. E. L. ARMBRECHT, of Armbrrecht, Nelson & Co., chemists, Duke Street, Grosvenor Square, London, W., on Tuesday, June 7, at Stevens's Auction Rooms, Covent Garden, purchased a great auk's egg for 262*l.*

DR. C. A. VON MARTIUS, of Berlin, who is as well known in London as in the German capital, has recently celebrated the fiftieth anniversary of his doctorate. He was a pupil of Dr. A. W. von Hofmann when he was principal of the London College of Science.

MR. HENRY PEET, J.P., F.S.A., of the Adelphi Pharmacy, Liverpool, has left this week for another continental tour. He is travelling by the Hook of Holland route and will proceed up the Rhine to Frankfort. Thence he is journeying to Salzburg, and from there by the Danube to Vienna and Buda-Pesth, returning by way of Dresden, Leipzig, and Berlin.

MR. GEORGE W. PRATT, chemist and dentist, Stretford Road, Manchester, has been appointed Chairman of the Committee of the Chorlton-upon-Medlock Dispensary. All Saints', in place of the late Mr. Sam Locke; and Mr. John Wild, of the University Pharmacy, Oxford Road, has been elected visiting apothecary to the same institution. Mr. Pratt having resigned that appointment to take up the chairmanship.

Westminster Wisdom.

A Record of Parliamentary Progress.

REASSEMBLING OF PARLIAMENT.

Members of the House of Commons and the House of Lords reassembled at Westminster on Wednesday afternoon, June 8.

CORONERS' LAW AND DEATH CERTIFICATION.

We are informed that Sir William Collins, M.P., has postponed until June 22 the second reading of his Coroners' Law and Death Certification Amendment Bill, and that, as there is every reason to believe that it will not receive any opposition, he will in due course ask the Government, under the circumstances, to grant facilities for its passage through Parliament.

BILLS TO BE ABANDONED.

Among a number of private members' Bills which were introduced at the commencement of the session, and of which nothing more will be heard this year, are the Restraint of Trade (Shops) Bill, which was brought forward by Mr. Seddon, and the object of which was to abolish what are popularly known as radius agreements between employers and employed. Another Bill which will not be further proceeded with is Mr. Staveley-Hill's Merchandise Marks Bill, which proposes to substitute the words "Not British" for "Made in Germany," and similar statements, upon all imported goods, so as to avoid giving a gratuitous advertisement; and among others which will be withdrawn before very long are the Registration of Nurses Bill, the Bill for the Abolition of Vivisection, Mr. Seddon's Character Note Bill, and the Milk and Dairies Bill.

SHOP-HOURS REGULATION.

Among the legacies which Viscount Gladstone left to his successor at the Home Office is the Shops No. 2 Bill, which was introduced last August for the purpose of getting its provisions discussed in the country in the intervening period. As no mention has been made of the Bill in recent times, a question on the subject is to be addressed to Mr. Churchill in the House of Commons early next week for the purpose of definitely ascertaining whether or not it is the intention of the Government to reintroduce the Bill during the present session. Prior to its introduction last year the Home Secretary took counsel with the representatives of a variety of interests likely to be affected by the new proposals, and among these were representatives of chemists' assistants [N.U.A.P.], who are specially treated under the Bill. In addition to the question of the hours worked by the employes, the Bill deals with a variety of other matters affecting health and comfort. As a matter of fact, there is not the slightest probability that the Government will be able to make any serious progress with the Bill during the present session, which is already heavily mortgaged for other and more immediately important matters which must of necessity come up for consideration at the earliest possible moment.

The late Mr. Carteighe.

As depicted by the late Fred Reynolds.

IT is the common fate of men in high places to be caricatured. Michael Carteighe was no exception to the rule, and he greatly delighted in the many ways that Fred Reynolds hit him off.



THE MAGNESIA BIRD.

The humour of the drawings in this case was enhanced by the fact that Mr. Carteighe had seen Fred Reynolds grow up from childhood, and was a friend of the family. Perhaps the finest bit of caricature that Reynolds ever did was the Magnesia Bird—the first which he submitted to us in 1900 of the birds found in the Pharmaceutical Aviary. It will be remembered that each sketch was accompanied by a mock-scientific description of the specimen. In this case the description ran thus:

"This is a very wise old bird, and knows all about Parliament, committees, and flesh-brushes. It is great at finance and things. At one time it was chief of all the birds. It is very fond of flying to Switzerland and hopping from one mountain-peak to another. It gives good dinners and talks well—in fact, it is a most sociable old bird, and greatly respected by the other birds. It likes all the other birds to take a little magnesia in their drinking-water, but prefers soda itself. It has a peculiar way of folding its claws, as here depicted, when it is talking."

It is difficult to say whether the sketch or the words (both, in this case, by Reynolds) are the neater. Reynolds



AT HENLEY.

put Mr. Carteighe in many garbs—as Hamlet, at a Chemists' Fancy Dress Ball, was a clever stroke. Others in the group were Mr. Bremridge as Pooh Bah, Mr. S. R. Atkins as Henry VIII., Mr. News-holme as a jockey, Mr. J. C. Umney as a pierrot, and Mr. Harrington as a Bee-feater. Some who knew Mr. Carteighe very well consider that the happiest hit was the representation of him in flannels at Henley in the C. & D., July 11, 1903. This arose out of a

motion by Mr. Wootton that a deputation from the Council should be sent to Somerset House in regard to the chaos which had arisen in dutiable-medicine matters. Mr. Glyn-Jones moved that the matter should be referred to the General Purposes Committee, and this was agreed to. The President said that the committee would meet "next Wednesday at three o'clock," when Mr. Carteighe exclaimed, "One minute, please. I have already two committees for next week, and you wouldn't like to take a man away from Henley Regatta!" His fellow-councillors laughed, and Fred Reynolds supplied the above sketch a week later. It slipped in one point—Mr. Carteighe smoked a pipe (not a cigar) when he was on the water, and on every other possible occasion when smoking. A more caustic cartoon arising from this

"DON'T GET INTO A BLUE FUNK."

dutiable-medicine controversy is the subject of the next reproduction. In the discussion on Mr. Wootton's motion, Mr. Carteighe said:

"I wish to say to the trade, 'Do not you chemists be in a blue funk.' . . . When I was a young man, as young and full of energy as Mr. Glyn-Jones, and in the days when reporters

were not present at the Council-meetings, I brought up a motion that the Council use their influence in obtaining an abolition of the Stamp Act. I was supported by Mr. Brady, and the motion was carried against the advice of good old Sandford. I have learnt since, as Mr. Glyn-Jones will soon, the enormous value of doing nothing on certain occasions. I looked at the matter from the ethical ground, and when the motion passed set to work to look into the matter. . . . Mr. Brough, who was then Editor of THE CHEMIST AND DRUGGIST, asked me to write an article on the subject, and I did—but the opinions there expressed were the very opposite to the resolution I had succeeded in getting the Council to pass."

In this case history repeated itself, for at the December meeting of the Council Mr. Carteighe moved, and it was agreed—

"That a deputation of the Council be appointed to interview the Board of Inland Revenue on their uncertain and varying practice in interpreting the Medicine-stamp Acts."

The irony of the Reynolds cartoon, depicting Mr. Carteighe driving in a hansom to Somerset House, was much appreciated at the time. In the series of sketches entitled

"Beautifying Bloomsbury," Fred Reynolds suggested embellishments of the façade of the Pharmaceutical Society's House, 17 Bloomsbury Square, and here he introduced Mr. Carteighe, as an Alpine climber, very happily. It is slight as a sketch, but it was sympathetic with the series. Reynolds followed up his birds with a series of Pharmaceutical Fauna. He intended Mr. Carteighe to be one of that series also, and for the original went to Kipling's "Just So Stories," in

which there is a powerful animal which comes out of the sea and consumes all the merchandise it can find. The artist's purpose was to show the predominant influence which Mr. Carteighe had in pharmaceutical affairs, no subject coming up of which he had not experience. We did not include the sketch in the series because we did not like it, but we give it now, as it helps to illustrate the artist's methods, for the portrait is substantially the same as the hansom one.



THE DOORWAY.



HITHERTO UNPUBLISHED.

Mr. Carteighe's

Apprenticeship.

Mr. Charles J. Radermacher, with whom Mr. Carteighe was apprenticed, is still a hale and hearty man, and has been living in retirement for five-and-thirty years. He tells us that he was in business in New Cavendish Street when Mr. Carteighe was apprenticed to him, and the agreement for the apprenticeship was negotiated by Mr. John Carteighe. In the first year of the apprenticeship Mr. Radermacher sold the New Cavendish Street business to a Mr. Sampson and removed to 173 Sloane Street. This business was acquired by Mr. A. S. Amore, and as "Amore & Co." it was taken over two years ago by Mr. Albert H. Brooks. Mr. Radermacher was himself apprenticed in Glastonbury in 1847, and afterwards had varied experience in London, being for some time with Messrs. Corby & Co., in the Poultry. He passed the Major examination in 1855. During a conversation with Mr. Radermacher he seemed at first to be in doubt as to whether Mr. Carteighe commenced his apprenticeship with him before or after he had been at University College,

but on this point we were able to assure him that it was after (Mr. Carteighe was registered as an apprentice in 1860), and he remarked, "That explains why Mr. Carteighe was so well-informed in regard to chemical matters." We may state that we had this information from Mr. Carteighe himself over five-and-twenty years ago, and early last year, when we had an interview with him in anticipation of our Jubilee Issue, he expressly confirmed our recollection as told in this quotation:

"He first met Jack Brough in 1860 at a Savage Club Saturday evening or something of the kind. Mr. Carteighe was not then in pharmacy, but was demonstrator in chemistry at University College, along with Carey Foster, to Professor Williamson. He had been contributing popular science articles to some magazines, and met Brough on a literary footing."

Mr. Radermacher takes no credit for training Mr. Carteighe, who, he says, would have become an accomplished

pharmacist whomsoever he had been trained by, but Mr. Radermacher has always been proud of it, and he recalled what he said in the Pharmaceutical Society's house when Mr. Carteighe received the Pereira Medal in 1863—namely:

"He felt great pride, as an individual and as a member of the Society, in being present at the award of the honours to Mr. Carteighe. As his late apprentice, Mr. Carteighe deserved honour at his hands, and he felt great pleasure in testifying to the uniform consistency of Mr. Carteighe's conduct while with him. His punctuality,



MR. RADERMACHER.

attention, and method of making the best of his time were patterns to all students. He wished that the relations between masters and apprentices might always be [as] pleasant and profitable as those had been between himself and Mr. Carteighe."

This reference enables us to correct a statement in our article of last week to the effect that Mr. Sandford handed Mr. Carteighe the Pereira Medal. On that occasion it was Mr. Thomas Hyde Hills, the Vice-President of the Society, who was in the chair and who presented the medal. Mr. Carteighe himself spoke on the examination for the medal, emphasising the hardship to Major men who have passed early in the year.

Recent Will.

MR. SAMUEL ANDERTON, Stratford Road, Sparkhill, Worcestershire, and Bradford Street, Birmingham, chemist, who died on April 4, left estate valued at 1,334*l.* 11*s.* 7*d.* gross, of which 717*l.* 11*s.* 9*d.* is net personalty.

MEDICAL SUPPLIES FOR TURKEY.—The Commercial Intelligence Branch of the Board of Trade have been notified by the Turkish Embassy in London, through the Foreign Office, that the Ottoman Government invite tenders for the supply to the Imperial Army of the following material:

Double medicine-pouches for infantry, and single pouches for cavalry; medicine-pouches for infantry and cavalry ambulance sections; medicine-chests for the medical corps; portable chests for doctors; medicine-chests for infantry, artillery, and cavalry divisions; large medicine-outfits for ambulances and hospital waggons, and for *post-mortem* purposes; sterilisation, analytical, bacteriological, and microscopical instruments; ambulance bed-sheeting; new improved stretchers, equipped with bag containing bandages, etc.; dispensary and hospital tents; ambulance-waggons for infantry, cavalry, medical, and sanitary corps; medicinal storage-vans; filters, signalling instruments and lanterns; beds for railway carriages.

Tenders should reach the "Commission Spéciale, Ministère de la Guerre," Constantinople, by the end of June Old Style (about July 15 New Style), and tenderers should submit samples of the instruments with their offers.



Postal Address:

C & D. INFORMATION DEPARTMENT 42 Cannon Street, London, E.C.

Telegraphic Address: "CHEMICUS LONDON."

Telephone No.: BANK 852 (two lines).

The object of this Department is to supply names and addresses of Manufacturers of, or Agents for, goods pertaining to the Chemical, Drug and Allied Trades. The "Buyers' Guide" in each issue of "The Chemist and Druggist" affords much information, but inquiries for anything not referred to therein may be addressed to this Department. Replies will be furnished immediately, or inserted in this section free of charge.

INFORMATION WANTED.

We would be obliged if any reader would reply by postcard or telephone to one or other of the subjoined inquiries.

- 183/54. "Turtidal" tablets: where obtainable?
- 188/17. "Absorbent Paper Tissue": where obtainable?
- 188/16. "Bracher's Patent Mixer": address of the maker.
- 191.62. "Cremoderma": who makes or supplies in this country?
- 186/32. "Eucota" antiseptic fluid: who makes or where obtainable?
- 186/6. Who makes or supplies the "Rapid" fly-catcher, triangular shape in tin?
- 183/53. Where can supplies of "Miraculosa"—a dysentery-cure—be obtained?
- 189/64. Suppliers of feeding-bottle for infants at different ages. These are made in different sizes to ensure the correct amount of food being given at each meal according to the age of the child.

INFORMATION SUPPLIED.

During the past week we have answered inquiries regarding the following articles. The information will be repeated to any other inquirers who send to the Department a stamped and addressed envelope for the purpose.

- Acidol pepsin tablets, supply "Leaf" brand hat-polish, makers (186/19).
- Bickmore's Gall-cure, makers Machines for filling tablets into bottles, makers (187/34).
- (189/10).
- Botanical vasculums, makers Maiguen's anti-calcaire, makers (189/10).
- and suppliers (190/60).
- Carrier-cycles, makers (190/20).
- Cooper's effervescent lozenges, makers (189/58).
- Cracroft's tooth-paste, proprietors (189/10).
- "Crown" brand capsules, makers (186/58).
- Diaxos liquor, makers and agents (186/15).
- Doyen's "Mycolysine," makers, (190/30).
- "Equifex" disinfectors, makers (186/61).
- Gelatin-coating machinery, makers (187/3).
- Glass (and wood) facias, makers and designers (187/46).
- Griendorff's powder, suppliers (190/48).
- Hill's sphygmometer, maker (186/32).
- Japanned tin medicine-cases, actual makers (189/47).
- "Leaf" brand hat-polish, makers (190/68).
- Machines for filling tablets into bottles, makers (187/34).
- Maiguen's anti-calcaire, makers (189/10).
- "Mydens" tooth-powder, maker (190/29).
- Packeting machinery for spice, etc., makers (187/2).
- Pill-making machinery, makers (187/3).
- Porcelain swing stoppers, makers (186/29).
- "Pulsometer" massage machine, makers (187/33).
- "Respiton," makers (188/48).
- "Ricin," particulars and supply (190/66).
- Singleton's eye-ointment, proprietors (189/10).
- "Suberit" cork-rings, makers and agents (187/31).
- Walker's hair-dye, makers (191/6).
- Washington-Lyon steam-disinfectors, makers (186/61).
- "Zingit," makers (189/16).

APPRECIATION.

"Your reply to my inquiries duly to hand, for which please accept my thanks and best wishes for this good feature of yours, which is indeed a valuable one to me, situated as I am in an isolated corner of the Transvaal." (188/24.)

HAYTIAN HONEY AND BEESWAX.—A remarkable development in the honey-industry was shown by the Republic of Hayti during the year 1908-9, exports reaching 641,435 gals., against 125,616 gals. in 1907-8 and 451,423 gals. in 1906-7. Beeswax exports, on the other hand, declined, being 122,116 lb. in 1908-9, 150,636 lb. in 1907-8, and 183,998 lb. in 1906-7. Santo Domingo shipped 107,799 gals. of honey in 1909, against 55,694 gals. in 1908. Germany took 69,684 gals. last year. Of beeswax there was shipped from Santo Domingo 477,599 lb. last year, against 473,325 lb. in 1908; German receipts were 281,967 lb., against 329,368 lb. in 1908; the U.K. received 3,135 lb. From the port of Puerto Plata, Dominican Republic, there was also shipped in 1909 101,836 lb. beeswax, against 123,902 lb. in 1908; also 2,216 gals. honey.

Observations and Reflections.

By Xrayser II.

The Obituary Column

of the *C. & D.* was unusually full last week; it is rare that so many men, more or less well known in pharmacy, are cut down with, as it were, one sweep of the reaper's scythe. To some of your readers a few of these men were personally familiar, as for example Messrs. Baker and Lindsay, good fellows both, though cast in quite different moulds, both of whom now and again attended the B.P. Conference; while Messrs. Barklie and Bassano were also well known in their respective districts. The most distinguished was the renowned bacteriologist, Dr. Koch, whose service to medical science can never be estimated, and whose name will be handed down to posterity as one of the greatest benefactors of his age. Last, but not least, was the leader who for more than a third of a century captained the pharmaceutical army, for though Mr. Carteighe was not the nominal head all that time, he was undoubtedly the *deus ex machina*. From a long personal acquaintance with Mr. Carteighe, I can testify that not one word of your highly appreciative notice overstepped the boundary-line. It would, indeed, be difficult to exaggerate the value of Mr. Carteighe's services to pharmacy during the whole of his strenuous career, while the half can never be told of his private benevolence and his practical sympathy with the unfortunate and the suffering.

"The Correct Pharmacist,"

who wrote to you deploring the absorption of business by "cash chemists," will have still further ground for sad reflections when he reads the report summarised on another page of your last issue. That the leading company of cash chemists should have distributed 12 per cent. on its ordinary share capital after having made full provision for management expenses is symptomatic of a few things, but probably of none more than this, that by its own confession the money has not been made out of drugs. It is extremely significant that the steadiness of the profits is attributed to the "variety in the class of business dealt with." None knows better than Sir Jesse Boot that a pure drug-business, especially a pure dispensing business, is a broken reed on which to lean, and the moral for pharmacists is to provide mixed attractions for the public. I have yet to learn that the men who have added optics and photo-goods as side-lines have regretted their venture; but, of course, such things as these are to a "correct" pharmacist *anathema maranatha*. I wonder why it should be so?

"Quite Fruitless"

is Mr. Parry's verdict on the discussion that has been going on between him and Mr. Dott, and on the whole I agree. I have read every letter that has appeared but what has struck me is the unreality, or apparent unreality, of the whole discussion. It has led nowhere, and this is accounted for simply by the fact that the disputants do not seem ever to have occupied common ground. If these two most distinguished authorities could be set down on opposite sides of a table and told to come to a decision to which both would subscribe, I am positive it could be done in five minutes. For, after all, there is nothing to fight about; and the semblance of a "discussion" can only be maintained by setting up hypothetical men of straw in order to knock them down. Mr. Dott and Mr. Parry, like Brutus, are both honourable men, and both, from my reading of their letters, are in substantial agreement on

the essential facts; as for the rest, what is it but leather and prunella?

The Use of Latin

in scientific nomenclature surely needs no defence. Mr. Dott is quite right there. One does not see, however, why he prefers such forms as *ferrosi sulphas* and *ferrii chloridum*. Why treat *ferrieus* and *ferrosus* as nouns? But if, as a better scholar than myself informs me, *sulphas* should by analogy be feminine, *ferrosa sulphas* would be more correct than *ferrosus sulphas*. Attacks on the use of Latin in scientific terminology on the ground that it is not "classical" rest on the false assumption that Latin ceased to exist as a living language soon after the fall of the Roman Empire; the fact is that for certain purposes it neither has been in the past, nor is now, a "dead language." Not only was it used as the universal medium of communication for ecclesiastical, scientific, philosophical, and legal purposes all through the Middle Ages, but it continued in general use until modern times—in legal documents (in this country) until the eighteenth century, and to a considerable extent for diplomatic purposes until about the same period. When Milton was appointed Latin Secretary to the Council he became really Secretary for Foreign Affairs, as Marvell, in fact, calls him. So, too, scholars in correspondence with those of other nations used Latin, and to some extent do so still. Of course, much of this modern Latin differs widely from that of Cicero or Virgil, but it is wrong to denounce the less correct kinds on this ground, for even such jargon as *carrietary*, "to carry"; *arreragium*, "arrears"; *seisina*, "seisin," and other such law-terms, are inevitable modifications of a living tongue to meet new needs. "Barbarous" Latin has, too, a literature of its own which includes some of the noblest hymns ever written, the delightful "Songs of the Wandering Students," and such prose masterpieces as the "De Imitatione Christi." The Latin style of Thomas à Kempis has a noble simplicity, and often a sonorous rhythm, which many of the "classical" writers might envy. It is at last becoming realised that Latin did not die with the Roman Empire, and some recent Latin "Readers" include selections from authors who would have made Quintilian stare and gasp.

The Fields of Mustard

in the fen country of South Lincolnshire are, as your Nottingham contributor says, a brilliant sight, but they cannot compare in beauty with the fields of flax, the fairy-like plant of the fairies, which I have seen growing in the north of the county. This is undoubtedly the loveliest crop that English agriculture has to show—or *had*, for, alas! there is little or no flax grown in England now. Time was when the local pharmacist could turn an honest penny by an occasional wholesale transaction in linseed, but flax-dressing is no longer a Lincolnshire industry, and it does not pay to grow the plant for the seed alone. Time was, too, according to Gerard, when the Londoner might gather his mustard on the banks at the back of Old Street and on the way to Islington; but now, like honey, it "can't be got without hard money." In those good old times Tewkesbury mustard was the most esteemed. Falstaff, it will be remembered, likened Poins's wit to Tewkesbury mustard. Coles says the seed was ground and made into balls and sent "to London and other remote places"; his contemporary, Parkinson, speaks of its being ground in a quern with vinegar "to make it liquid and running," as does also the older Lyte, who calls it *senvie* as well as mustard (Ger. *senf*), a name that survived in English use until Bailey's time. In the eighteenth century a Mrs. Clements, of Durham, invented a method of dressing mustard as flour whereby she amassed a fortune. In my apprenticeship all our mustard labels bore the legend "Best Durham Mustard," though I am afraid the condiment came from Norfolk.



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Editorial Articles.

Business in May.

At no time within recent years has it been more necessary than now to scrutinise the Board of Trade figures regarding British trade. We are having something in the nature of a "boom" in trade, if not a record year (1907 was that), and the movement for reform of our fiscal system and trading conditions cannot be ignored, even by those who are not politicians, or who regard Tariff Reform as a political move. We may recall that our total export and import business in 1907 was valued at 1,164 million pounds (646 imports and 518 exports); in 1908 there was a drop to 1,050 millions (593 imports and 457 exports), and in 1909 the amount was 1,094.4 millions (624.7 imports and 469.7 exports). We may further recall the fact that the latter half of 1909 was as good, month by month, as the corresponding months of 1907. This improvement has been maintained every month of this year; the official returns for May, which were issued on Tuesday, showing 15½ millions more business than in May 1908 and 1909, while the increase on the five months is 61 millions more than in 1909 and 50 millions more than in 1908. The slump from 1907 continued until the end of May 1909, hence the wider difference between last year and this. If this year's rate of improvement is kept up until the end of the year, there should be an increase of about 30 millions over 1907, probably more—indeed, we should not be surprised to find the total equal 100 millions a month, which would be a world's record in every respect. This sounds optimistic, but it is simply a plain statement of fact. Here are the imports and exports for the five months of this year:

Goods	Imported and Consumed	Exported (Home-made)	Re-exported	Total Business
	Millions £	Millions £	Millions £	Millions £
Food class ...	105	8.7	4.9	118.6
Raw materials	108.8	21.4	30.9	161.1
Manufactures	65	135.6	10.3	212.4
Miscellaneous	1	2.9	0.07	4.0
Totals ...	279.9	169.7	46.9	496.1

Last year's imports (Jan.-May) were as follows: Foods, etc., 96.1 millions; raw materials, 93.3 millions; manufactures, 58.7 millions; miscellaneous, 0.98 million. The exports

of home produce were: Foods, etc., 7.9 millions; raw materials, 20 millions; manufactures, 116.5 millions; miscellaneous, 2.6 millions. The total value of re-exports in the same period was 38.5 millions. A glance at the table and comparison with the figures will show how much better so far this year is than last, and it should be noted that the exports of manufactured goods made at home is more than double the value of the manufactured goods imported. The census of production is for the first time disclosing the ratio of home production and imports (see *C. & D.*, May 14, p. 740), and in this connection we may recall the remarks of "The Times" last January regarding engineering industries:

"On the grand total of production 30 per cent. was exported and 70 per cent. consumed at home. Imports of like manufactured goods were as 15 per cent. to the 100 per cent. of British production. Home consumption, arrived at by adding British production to imports and subtracting exports, equals 73 per cent."

In May the exports of every department of British manufactures were better than in May 1909. Chemicals, drugs, dyes, and colours totalled 1,522,908*l.*, or 69,654*l.* more. In the five months 7,671,089*l.* has been exported, or 572,064*l.* more. The increases were small all round, in quantities and values, but in a few cases there were changes in value—*e.g.*, carbolic acid, in May 1909 8,745 cwt. sold at 10,280*l.*, and this May 9,719 cwt. at 7,318*l.*, while of glycerin 15,548 cwt. sold in 1909 for 35,692*l.*, and this year 26,444 cwt. at 61,015*l.* Still, these spasmodic fluctuations are not general, and we find that the drugs and medicinal preparations exported in May were valued at 155,213*l.* (144,278*l.* in 1909), and in the five months 718,014*l.*, compared with 656,863*l.* in Jan.-May 1909, and 652,256*l.* in Jan.-May 1909. No dried and powdered opium was exported last month, but there was 3,778*l.* worth of quinine—an amount less than May 1909; but the five months show 507,136 oz., valued at 20,605*l.*, which is practically double for Jan.-May 1908. Foreign and Colonial chemicals, drugs, etc., have been re-exported this year to the value of 791,992*l.*, compared with 784,102*l.* in the same period last year, and our imports in the same class were valued at 4,661,472*l.*, of which 946,284*l.* was for the month of May. Of the Jan.-May amounts 40,951*l.* was for quinine, and 428,598*l.* for drugs and medicines not otherwise enumerated. It will be noted that the exports of British chemicals and drugs are about double the value of Colonial and foreign chemicals and drugs imported. We are pleased to see improved export business in aerated waters—27,406*l.* in May (20,454*l.* in May 1909) and 99,948*l.* in the five months, which is 21 thousand more than in Jan.-May 1909. Soap also is better: May exports 163,238*l.* and the five months 732,499*l.*, which are 15 to 20 per cent. increases over 1909; and toilet-soap exported was valued at 30,992*l.* in May and 138,178*l.* for the five months. The imports of all kinds of soaps in the five months were valued at 196,342*l.*, besides 9,073*l.* re-exported, and of the latter 1,472*l.* was toilet-soap.

to be filled by the Governor in Council. The annual meeting of the Board is to be held in January at St. John's, and at this meeting examiners are to be appointed and the time fixed for the examinations for the ensuing year. Other meetings to be called as necessary, and for all purposes five members form a quorum. Provision is made for the election of a President and Secretary-Treasurer, who shall also be the Registrar, from the members of the Board; the duties and remuneration of these officers to be determined by the Board. By-laws and regulations regarding examinations and other matters not inconsistent with the Act may be made. There are to be five examiners, who are to hold office for three years, when they may be reappointed. The examiners' fees are to be such as the Board determine. Every candidate for examination must have served as an assistant to a registered druggist for not less than five years, during two of which he has been employed in dispensing prescriptions. The examination-fee is fixed at \$5, but unsuccessful candidates may be re-examined without further fee. There are the usual provisions regarding the register, which the Registrar has to revise annually and publish in the "Gazette." Medical practitioners are entitled to registration and to receive certificates upon payment of the prescribed fees. It is enacted that every druggist at present engaged in the business of dispensing prescriptions, and every assistant who has for a period of five years before the passing of the Act been employed with a druggist in dispensing prescriptions, is entitled to be registered without examination upon payment of the prescribed fee. The Board may accept at its discretion "the certificate or diploma of any other competent examining body as sufficient evidence of qualification." The initial registration-fee is to be \$5, with an annual fee of \$2. The protected titles are chemist and druggist, druggist, pharmacist, pharmaceutical, dispensing chemist or druggist, and apothecary, and the interesting paragraph is added that an unregistered person may not call his place of business a drug-store or pharmacy. The poison-schedule is that of the British Pharmacy Act, 1868, but the restrictions do not apply to the articles named when sold by wholesale in market packages or as patent medicines. Every shop "for the sale or compounding of drugs" must be in charge of a registered person. The penalty provided is not less than \$25 nor exceeding \$50. Poisons named in the schedule must be labelled with the name of the poison and the name and address of the seller, whether sold wholesale or retail. The poison-book section is the usual one, except that in the case of dispensing the ingredients of the physician's prescription must be entered in a book, and the prescription itself "kept on file in the office or premises of the seller of the said medicine." The charges for articles sold in violation of the Act cannot be recovered in any Court of Justice. The persons named for the purpose of incorporating the Newfoundland Pharmaceutical Society are

Thomas M. McNeil, James J. Channing, Hugh C. Miller, Alex. W. Kennedy, Augustus I. Stafford, William T. Courtenay, Thomas Kavanagh, John P. Curtin, Robert Gear MacDonald, William P. Taaffe, James J. Kavanagh, Albert E. Parkins.

In the schedule the objects of the Society are stated to be—

the improvement of pharmaceutical knowledge and skill and elevation of the standard of pharmaceutical practice throughout the Colony, and the advancement of pharmacy and its connected sciences.

The constitution of the Society is also laid down in considerable detail. The poison-schedule is, as before stated, the old British schedule, with carbolic acid and

Newfoundland Pharmacy Act.

As mentioned in *THE CHEMIST AND DRUGGIST* a few weeks ago that a Pharmacy Act had been passed in Newfoundland. The Act constitutes a Pharmacy Board consisting of nine members, six of whom shall be members of the Newfoundland Pharmaceutical Society and three to be persons duly registered under the Act. The members of the Board are to hold office for three years, but can be removed by the Governor in Council upon petition of seven members of the Board; vacancies in the Board are

the agricultural exception of that poison. There is a provision for adding to the poison-schedule.

It will be seen, from the summary which we have given, that Newfoundland now possesses a good working Act. It is unfortunate that the poison-schedule adopted is the out-of-date one of the Pharmacy Act, 1868, and as the Newfoundland Act only contains a provision for *adding* to the schedule it will be impossible to reconstruct it without an amending Act. The promoters of the Act have evidently profited by the experience of this country regarding the place-name "pharmacy" and the use of the term "drug-store" by unregistered persons, and have overcome the difficulty in a very simple manner.

South African Pharmaceutical Federation.

"It is perhaps too soon to calculate how matters will be arranged politically after the war is over, but we venture to hope that some leading pharmacists will endeavour to get uniformity in the pharmacy laws of the respective States, so that there may be as great freedom in passing from one to the other of the five colonies as there is between any counties in England. Some Commonwealth scheme for South Africa seems desirable, and pharmacy should be in it."

This was the last paragraph of the first editorial article in the *C. & D.* of June 9, 1900. Now, exactly ten years later, we are able to report that a conference of pharmacy representatives from all the States concerned was held in Bloemfontein last month.

Not Our Prescription Problem.

Mr. John N. Raphael, of Paris, wrote a column to the "Daily Express" the other day, which (in its ultimate paragraph) recalls that old story about the man who received a letter from a noted personage which he could not read. He appealed to a friend, and the letter beat him; but he was a person of resource, and said, "Let us take it to my friend Brown, the chemist; he can read anything, for he dispenses Dr. —'s prescriptions." This was done; but the friends were rather startled when, five minutes later, he put a parcel on the counter and said, "Two shillings, please." The missive was a mere prescription to him. Following is Mr. John N. Raphael's version of the old wheeze, and he gives "A Rare Drug" as the side-heading:

The well-known surgeon Dr. Doyen was at a *café* chatting with some medical colleagues the other afternoon, and a discussion arose on the subject of chemists. Most of those present declared that all chemists in Paris were honest. Dr. Doyen said: "No; chemists are tradesmen, and what they want to do is sell, either honestly or not. I will prove my point. Three of you mention three letters of the alphabet each."

"B-E-L," said the first one.

"T-A-B," said the second.

"E-A-T," said the third.

"Excellent," said Dr. Doyen. "That makes Belatabeat. Does anybody know a drug of that name?"

Nobody did, because it does not exist. But Dr. Doyen wrote out a prescription for two cachets of 8 grains of "Belatabeat," sent a messenger with it to the nearest chemist's shop, and in ten minutes got his cachets, and had to pay two shillings for them.

We have heard a good deal about Dr. Doyen, and how marvellously publicity is forced upon him; but this revelation by Mr. Raphael is really "the limit." We should like to know that chemist who has the courage to charge 1s. per cachet for a medicine prescribed by Dr. Doyen; failing that, what put it into Mr. Raphael's head to give new garb to that old chestnut about the handwriting of medical men?

THE EXPORTS of carnauba wax from the port of Ceará, Brazil, during 1909 amounted to 738,552 kilos. (760,264 milreis), against 951,452 kilos. (937,305 milreis) in 1908 and 725,592 kilos. (1,295,643 milreis) in 1907.

Optical Observations.

By a Chemist-Optician.

At the Recent Examination

of the Spectacle-makers' Company there were eighty candidates. The examination was held at St. Bride Institute, Ludgate Circus, London, E.C. It is the first time the examinations have been held at this Institute, but the arrangements were so satisfactory that future examinations are likely to be there.

The B.O.A.

The examinations of the British Optical Association were held simultaneously at the end of May in London, Manchester, Glasgow, and Leeds. According to the "Dioptric Bulletin," there were 110 candidates, but the practical work of the provincial candidates was disappointing. I learn from the same source that arrangements have been made with the directors of the Manchester School of Technology to provide a course of optical education on the lines of the British Optical Association's curriculum.

A Comet Incident.

One humorous incident in connection with Halley's comet, if the subject is not too hackneyed by this time was furnished by two countrywomen I observed gazing at the streak of light from a military searchlight, which one was pointing out to the other as the tail of the comet and both regarded it with mingled curiosity and awe. The real object was visible at the time, although, as it was some few days after May 19, it was not nearly so brilliant as it had been.

Optical Testing.

The questions set on optical testing at the recent examination of the Spectacle-makers' Company show the kind of work which the candidate is expected to do at the optical bench, and should not be very formidable to the man who has studied the subject. There is a good choice of questions afforded, the candidate himself selecting any four he prefers, and then he is given two of them to do. This is a point greatly in favour of the candidate, as it enables him to choose the experiments he is most familiar with. The majority of the experiments can be carried out at home with quite simple apparatus, so that the candidate will be able to practise them at his own convenience.

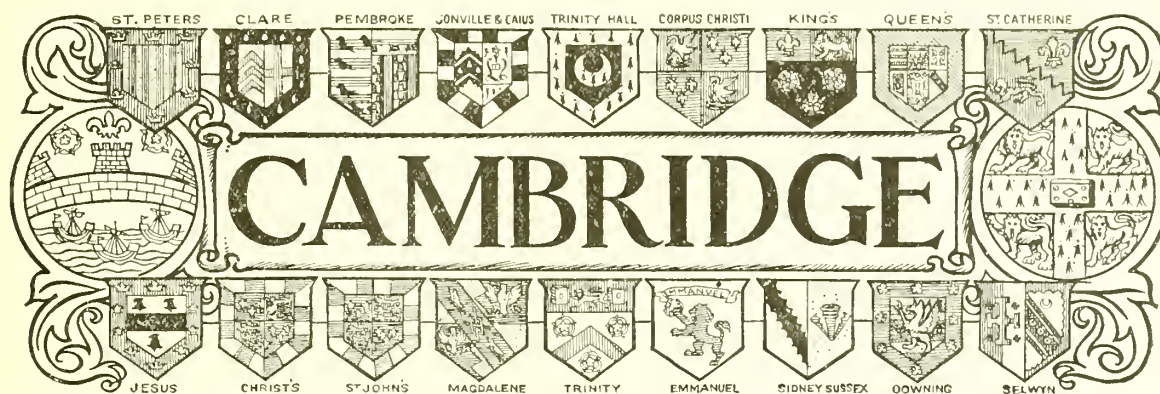
New Books.

Any of these books printed in the United Kingdom can be supplied, at the published price, to "C. & D." subscribers on application (with remittance) to the Publisher, 42 Cannon Street, London, E.C. These notes do not exclude subsequent reviews.

Dun, Finlay. *Veterinary Medicines, their Actions and Uses*. Revised and edited by J. MacQueen and H. A. Woodruff. 12th edit. 8 $\frac{3}{4}$ ×5 $\frac{1}{2}$. Pp. x+822. 15s. (Edinburgh, David Douglas.) [On the first page of the first chapter ("Actions and Uses of Medicinal Agents") the study of bacteriology begins, and this indicates how changed is veterinary treatment since "Finlay Dun" was first published. "Actions and Uses" takes up 150 pages; the next 250 deal with medicines from alkaline earths to ethers, and another 160 odd vegetable and animal drugs, and the rest to veterinary pharmacology, index of diseases and remedies, and an index of medicines.]

Gadd, H. Wippell. *The Legal Standing of the British Pharmacopœia*. (An eight-page reprint of an article contributed to "The Lancet.")

Gardette, V. *Formulaire des Spécialités Pharmaceutiques pour 1910*. 6 $\frac{3}{4}$ ×4. Pp. 430. 3f. (Baillière, 19 Rue Hautefeuille, Paris.) [Gives particulars regarding French pharmaceutical proprietaries, with approximate composition, doses, and indications of the diseases for the treatment of which they are used. The first part, which occupies the greater portion of the book, gives the specialities in alphabetical order; the second part is a classification of the preparations under the name of the principal constituent; the third part gives the names and addresses of the makers of the various specialities; and the fourth part is an alphabetical index.]



IN our issue of May 21 we gave some notes on the town and University of Cambridge. The present article deals briefly with the Colleges, the object being to indicate the chief features of these interesting institutions.

The Colleges.

The Colleges are corporate bodies distinct from the corporate body that forms the University. They possess and manage their own property; they are self-governing and elect their own officers, and for nearly all purposes are independent of University control. The University existed before the Colleges, the oldest of which dates from the thirteenth century. The Colleges were at first merely communities of teachers (Fellows), maintained by the fees of pupils, but afterwards the Colleges extended their scope so as to become hostels for students. This step was taken to neutralise the proselytising influence of the monasteries, who catered for poor students, and naturally influenced an undergraduate in the direction of the particular Order whose hospitality the student enjoyed. In course of time the influence of the Colleges has grown, and abundant wealth received from various benefactors has enabled splendid buildings to be erected and maintained, and efficient staffs of teachers to be provided. The connection between the University and the Colleges is very intimate. In the first place, the Colleges contribute to the support of the University. Then, again, certain officers of the Colleges have special privileges in the University, and some Professors of the University are entitled to certain privileges and emoluments in the Colleges. Nearly all the members of the University belong to the Colleges, and all the members of the Colleges belong to the University. There are seventeen Colleges and one Public Hostel in the University of Cambridge, and among these the whole of the 3,000 resident undergraduates are distributed with the exception of about 100, who are entered as non-collegiate students. The heads of all the Colleges in Cambridge are called Masters, with the exception of those of King's and Queen's, who are called respectively Provost and President. The staff of each College also comprises the President, or Vice-Master, tutors (who advise and control the students on all questions of College and University life), the Dean (who looks after the Chapel services and usually also the College discipline), lecturers (who undertake College teaching), bursars (who control the College property), the steward (who superintends the commissariat), the prælector (who presents the members for degrees), librarian, organist, etc. The choice of a College is influenced by many reasons—the scholarships, reputation of the teaching staff, size, athletic reputation, or because the students' ancestors were members of a certain College. Students qualify for admission by passing certain entrance examinations and fulfilling other conditions, which vary somewhat with each College. The student who wishes "to keep terms" must also have his name enrolled on the University register, as one of the conditions of entry for the Matriculation examination is a certain term of residence. In the Colleges the head is elected by the Fellows, except in the case of Trinity and Magdalene. The Fellows and Scholars are elected by the Heads and Fellows of the

Colleges after competitive examinations. Fellowships were originally tenable for life on the condition of celibacy, but this condition has since been modified. Scholarships are usually tenable for four or five years. The undergraduate members of Colleges are called Fellow Commoners, Advanced Students, Pensioners, and Sizar. College rooms are assigned in order of application for admission, and the student usually takes the furniture of the preceding tenant at a valuation (average 20*l.*). The discipline of the University is enforced by the Proctors and Pro-Proctors, who enforce the wearing of academical dress and keep order in the streets, and each College has its own code of discipline, with certain regulations which are practically universal. These refer to the time when the gates are closed, attendance at chapel, and dining in hall. The expenses of the students at College vary, and are made up of such items as caution money (usually 15*l.*), admission fees (1*l.* to 15*l.*), furniture valuation, examination fees, tuition fees (18*l.* to 24*l.* a year), establishment charges (9*l.* to 15*l.* a year), rent of rooms (3*l.* to 9*l.* a term), service (2*l.* to 3*l.* a term), dinner in hall (about 2*s.* a day), "commons," coals, tradesmen's bills, and personal expenses. Initial expenses average 55*l.* and annual expenses about 160*l.* These do not take into account such items as laboratory fees required by medical students, or private tuition fees. In some Colleges fixed charges have been arranged.

The work of teaching is divided between the University and the Colleges. The scope of that provided by the University has already been indicated, but the distribution of the work is not well defined. Roughly, the Colleges concern themselves with the older subjects, such as mathematics, classics, and theology, and the University with the branches of natural science. This, however, cannot be laid down definitely, as, for instance, it is known that chemistry was first taught at Trinity College, and, moreover, every College has one or more lecturers on natural science on its staff. The Colleges have the patronage of a large number of livings in the Church of England.

The following notes on the Colleges will be of interest. They are arranged in the order of the foundation of the Colleges, and the members in residence refer to the B.A.s and undergraduates. The arms of the Colleges are reproduced at the commencement of this article:

Peterhouse, or St. Peter's College.

Founded 1284 by Hugh de Balsham, Bishop of Ely. The Society consists of a Master, eleven Fellows, and twenty-three Scholars. Junior members in residence, seventy-four. Sir James Dewar, F.R.S., is a Foundation Fellow. The buildings on the west side of Trumpington Street consist of three courts; in the centre of the court next the street is the chapel (erected 1629). The windows of the hall (erected 1309) and combination room or Fellows' parlour are filled with stained glass of great beauty, by William Morris. Before the erection of the chapel the church of Little St. Mary (formerly St. Peter's) was used as the college chapel, being connected to the college by a gallery. The panelling in the chapel is mediæval, probably removed from Little St. Mary's Church.

Clare College.

Founded by the University in 1326 as University Hall, re-founded as Clare Hall by Lady Elizabeth, granddaughter of Edward I. and sister and co-heir of Gilbert, Earl of Clare.

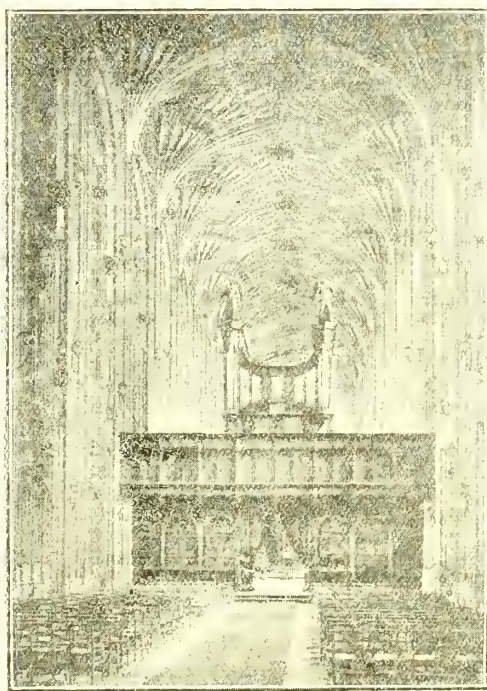
The name was changed to Clare College in 1856. The Society at present includes a Master, eight Senior and seven Junior Fellows, and thirty-two Foundation Scholars. Junior members in residence, 207. The present buildings, erected between 1638 and 1715, are a fine example of the late use of Gothic forms. The chapel was begun in 1763. In the Master's Lodge there is a portrait of Dr. William Butler (see p. 767). The lecturer in physics and chemistry is Mr. H. O. Jones, M.A., and the bursar Mr. W. Gardiner, Sc.D., F.R.S.

Pembroke College.

Founded 1347 under the name of Valence-Mary by Mary de St Paul, the widow of Aymer de Valence, Earl of Pembroke; and Henry VI. was so liberal a benefactor to it as to obtain the name of a second Founder. The Society consists of a Master, thirteen Fellows (unrestricted as to nationality), and thirty-three Foundation Scholars. Junior members in residence, 273. The present buildings are mostly the result of the reconstruction of the college in 1874, down to which date many of the original buildings remained; the chapel was built in 1663 by Dr. Matthew Wren, the architect being his nephew, Sir Christopher Wren. The old chapel was converted into the library. Hitchman's Cloister, which joins Wren's chapel to the fine old entrance gateway and the Hitchman building on the south side of the inner court, are dated 1666 and 1659 respectively. The poet Spenser entered the college as a sizar in 1569, and took his M.A. degree in 1576. Gray also resided here (in the Hitchman building) from 1756 to his death in 1771. He removed here from Peterhouse, it is said, as the result of a practical joke. William Pitt afterwards occupied rooms above Gray's.

King's College.

Founded and endowed in 1441 by Henry VI. The Society now consists of forty-six Fellows and forty-eight Scholars. Junior members in residence, 192. The college was moved to its present site in 1443-49. The foundation-stone of the chapel



KING'S COLLEGE CHAPEL.

was laid in 1446, the building being finished in 1515, Henry VII. providing part of the funds. The chapel is the chief glory of Cambridge. It consists of a vast nave (289 ft. long, 40 ft. wide, and 80 ft. high), and is one of the most sumptuous examples of Perpendicular architecture in existence. The stone roof is unsustained by pillars, the appearance of height being intensified by the way the chantries are completely screened off. The roof is vaulted into twelve divisions, and in the centre of each is a pendant keystone terminating alternately in roses and portcullises, each keystone weighing more than a ton. The organ separates the chapel and ante-chapel. The twenty-five windows, containing the most remarkable series of glass pictures in the world, were wrought between 1515 and 1531. The subjects, more than 100, are

from the life of Christ and of the Virgin, Old Testament being used to complete the series. One of the most striking of the last-mentioned (Window X., south side) is that representing Jonah being cast up by the whale. An organ recital is to be given in the chapel on July 26, followed by a concert in the Hall on the opposite side of the quadrangle.

Gonville and Caius College.

Founded 1348 as Gonville Hall by Edmund Gonville, the name being subsequently changed to the Hall of the Annunciation by Bishop Bateman (his executor), who in 1353 removed the Hall to its present site. In 1557 John Caius, M.D., refounded the college, and by his charter the name was changed to Gonville and Caius. The Society includes a Master and at least twenty-nine Fellows. Junior members in residence, 233. Caius (pronounced Keys) was physician to Queen Mary. The court he built is noticeable for its symbolism. It was entered by a small doorway called the "Gate of Humility," then passing along a shady road the student reached the "Gate of Virtue," beyond which were the chambers where he spent three years in the practice of virtue and the cultivation of wisdom, and then went forth through the "Gate of Honour" to obtain his degree. Dr. Caius's tomb is in the chapel with the famous inscriptions "Fui Caius" and "Vivit post funera virtus." Dr. Stephen Perse is also buried here. The buildings next the Senate House were erected in 1868-70, from designs by Waterhouse, and a fine block of buildings has recently been erected on the opposite side of Trinity Street. From the circumstances of its foundation this college has a reputation as an educational centre for medical men. William Harvey, M.D. (1569-1657), and Sir George Paget, M.D. (1809-1892), were members of Gonville and Caius College. Among the Fellows are Mr. John Venn, Sc.D., F.R.S. (President), Mr. M. M. Pattison Muir, Mr. A. S. Lea, Sc.D., F.R.S., Sir Thomas Clifford Allbutt, M.D., F.R.S., and Mr. H. K. Anderson, M.D., F.R.S. (director of senior medical students). The lecturer in chemistry is Mr. A. E. Bellars, M.A.

Trinity Hall.

Founded 1350 by Bishop Bateman on an older foundation, and designed as a legal college. The Society at present includes a Master and thirteen Fellows. Junior members in residence, 121. The library is an interesting Elizabethan room; the books were originally chained. The chapel is remarkable for its altar-piece—the Presentation in the Temple—by Stella. The Fellows' Garden, with its huge chestnut-trees and river terrace, should not be missed.

Corpus Christi College.

Founded 1352 by the Cambridge Guilds of Corpus Christi and of the Blessed Virgin Mary. The Society consists of a Master, twelve Fellows, and about twelve Scholars. Junior members in residence, ninety-five. The hall and chapel are remarkably fine buildings, and the library contains the Archbishop Parker collection of books and manuscripts. The collection is remarkable for the number of papers relating to ecclesiastical affairs, which were collected on the dissolution of the monasteries by Henry VIII. The library is inspected once a year by the Masters of Trinity Hall and Caius, and if twenty-five books are found to be missing the collection is to pass to Caius, and to Trinity Hall in case of a like defection of duty by Caius. No single book has ever been missing.

Queens' College.

Founded in 1448 by Queen Margaret of Anjou, consort of Henry VI., and re-founded in 1465 by Elizabeth Widville, or Woodville, consort of Edward IV. The Society consists of a President and eleven Foundation Fellows. Junior members in residence, 172. The drawing-room of the President's Lodge is one of the most beautiful and interesting sixteenth-century rooms in Cambridge. The ancient dial and clock over the old chapel and the famous wooden bridge ("the mathematical bridge") are commonly associated with the name of Sir Isaac Newton. Erasmus had chambers in Queens' College.

St. Catharine's College.

Founded in 1473 by Robert Wodelarke, Chancellor of the University and Provost of King's College. The college at present consists of a Master, six Fellows, and twenty-six Scholars. Junior members in residence, seventy-five. The present buildings date from 1675. The chapel is built on the site of Hobson's premises. Dr. John Addenbrooke is buried in the chapel. Jonathan Goddard, M.D. (originator of "Goddard's Drops"), obtained his degree from this college in 1643.

Jesus College.

Founded in 1496 by Bishop Alcock. The Foundation consists of a Master, sixteen Fellows, and twenty Scholars at least. Junior members in residence, 189. The tower gateway (1497) is noticeable. Parts of the college are the buildings which were those of the nunnery of St. Rhadegund before the sisterhood was suppressed. The hall and kitchen were

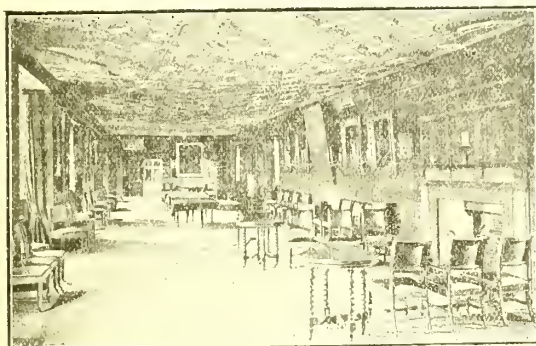
used by the nuns, but the combination room and library are of later date. The chapel contains windows designed by Burne-Jones and Madox Brown. King James, when he visited Cambridge, said: "Were I to choose I would pray at King's, dine at Trinity, and study and sleep at Jesus." Among the directors of studies is a supervisor in chemistry and physics—Mr. F. E. E. Lamplough, M.A.

Christ's College.

Founded in 1505 by the Lady Margaret Beaufort, Countess of Richmond, mother of Henry VII. God's House, founded by William Bingham in 1436, was absorbed in this foundation. The Society consists of a Master, fifteen Fellows, and thirty or more Scholars. Junior members in residence, 222. The buildings were erected during the life of the foundress, who had rooms at the college, but lost their characteristics during restoration in the eighteenth century. The gateway resembles that of St. John's College. Milton was admitted to Christ's in 1624-5, and resided here for seven years. A mulberry-tree in the college garden is pointed out as having been planted by him. Charles Darwin (1809-82) is another honoured name on Christ's roll.

St. John's College.

Founded 1511 by Lady Margaret Beaufort, foundress of Christ's College. The college succeeded the suppressed Hospital of St. John the Evangelist, founded 1210, from which Bishop Balsham removed his scholars to Peterhouse in 1284. Bishop Fisher, executor of Lady Beaufort, obtained funds for the completion of the designs of the foundress. The Foundation consists of a Master, fifty-six Fellows, sixty Scholars, and nine Sizar. Junior members in residence, 254. The Linacre lecturer in physic (founded 1526) is held by Sir Victor Horsley, F.R.S. Mr. R. H. Adie, M.A., is supervisor of



COMBINATION ROOM, ST. JOHN'S COLLEGE.

chemical studies. Sir Donald MacAlister, M.D., F.R.C.P., and Sir Joseph Larmor (Secretary of the Royal Society) are Fellows of this college. The college is celebrated for the beautiful entrance-gate, which commemorates the foundress by its symbolism. The combination room or gallery is reached by a staircase, and, with its panelled walls and ceiling of rich plaster-work, will be much appreciated by those who go to the B.P.C. reception on July 25. In this fine chamber for successive centuries the head of the college was accustomed to entertain his guests, among whom royalty was on several occasions included. It was originally 148 ft. long, but by various rearrangements has been reduced to 93 ft. The new chapel is very fine. The bridge over the river is known as the "Bridge of Sighs," from its superficial resemblance to the structure at Venice. There is a chemical laboratory at this college.

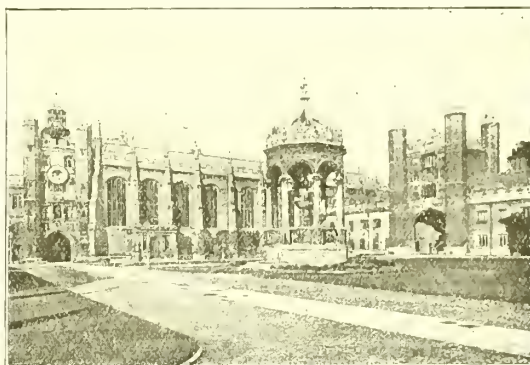
Magdalene College.

Founded in 1542 by Thomas Lord Audley to replace Buckingham College, the site of which had been granted by Henry VI. in 1428 to the English Benedictines as a hostel. The Mastership is in the gift of the possessor of Audley End. There are seven Fellowships and seventy-nine junior members in residence. Parts of the building are those of Buckingham College. The Pepsian library in the second court contains the books which Pepys, the diarist, bequeathed to the college.

Trinity College.

Founded in 1546 by Henry VIII. by the consolidation and extension of the earlier foundations of Michael House, founded in 1324, and King's Hall, founded in 1337 by Edward III. Queen Mary afterwards added twenty scholarships. The Foundation consists of a Master, sixty-three Scholars, at least eighty Senior Scholars, etc. Junior members in residence, 680. The Great Gate (built 1518-35) is of special interest; the founder's statue was added in 1615. The chapel

was finished in 1564, and contains a statue of Sir Isaac Newton, who was a member of Trinity. The hall is copied from that of the Middle Temple, London. The library was designed by Sir Christopher Wren. The fountain was built in



THE FOUNTAIN COURT, TRINITY COLLEGE.

1602, rebuilt in 1716. Part of the buildings (Whewell's Courts) is on the opposite side of Trinity Street. It was during the mastership of Dr. Bentley (1700-1742) that a chemical laboratory was fitted up for Vigani, of Verona, the first University Professor of Chemistry. Among the Fellows of the college is Mr. R. T. Glazebrook, F.R.S., the Director of the National Physical Laboratory, Sir J. J. Thomson, F.R.S., and Sir George Darwin, F.R.S.

Emmanuel College.

Founded in 1584 by Sir Walter Mildmay, Chancellor of the Exchequer and Privy Councillor in the reign of Queen Elizabeth. The Foundation consists of a Master, sixteen Fellows, and thirty-six Scholars. Junior members in residence, 260. The college entered into possession of the site and buildings of the Dominican Friars, which Order was suppressed in 1538. The buildings have been rebuilt from time to time. The chapel was designed by Sir Christopher Wren, the old chapel built by the founder being converted into a library. The Fellows' Garden, where the Conference members will take tea on July 26, are beautifully planted, and have a bath and summer-house. Mr. F. G. Hopkins, F.R.S., a Senior Fellow, is tutor in natural sciences, in which division medical students are classed.

Sidney Sussex College.

Founded in 1596 under the will of Lady Frances Sidney, Countess-Dowager of Sussex. The present Society consists of a Master, ten Fellows, and thirty-six Scholars. Junior members in residence, 103. The college occupies the site of a Franciscan monastery. The buildings were begun in 1596. In the hall is the celebrated portrait of Oliver Cromwell by Lely. Mr. W. J. Pope, F.R.S., is a Fellow of this college.

Downing College.

Founded in 1800 under the will of Sir George Downing, after a long series of lawsuits. The Society consists of a Master, two Professors, six Fellows, and six Scholars at least. Junior members in residence, 149. The two parallel ranges of buildings represent the east and west sides of the original design. Some of the college grounds were bought by the University as a site for the science schools on the south side of Downing Street. Dr. J. Reynolds Green, F.R.S. (Chairman of the Local Executive of the B.P.C.), is a Fellow of this college and also lecturer in botany and librarian. Mr. H. Jackson is the lecturer in chemistry and physics.

Selwyn College.

is a public hostel, founded in 1882 in memory of Bishop Selwyn.

Other colleges are Ridley Hall (founded 1831), and Girton College and Newnham College for women students.

We shall deal with the pharmacists and pharmacies in a subsequent issue.

THE NEW VIBRONA LABORATORIES in Holloway, N., were formally opened on Thursday afternoon by Messrs. Fletcher, Fletcher & Co., Ltd., by a reception in the administrative building, followed by a luncheon served on one of the warehouse floors. Mr. F. W. Fletcher presided and was supported by Sir R. W. Burnet, M.D., Mr. Sampson Handley, F.R.C.S., and other distinguished guests. We reserve our report of a most interesting function.

Pharmaceutical Society of Ireland.

COUNCIL-MEETING.

A MEETING was held at 67 Lower Mount Street, Dublin, on Wednesday, June 1, Mr. John Smith, President, in the chair. The following members of the Council were also present: Messrs. G. D. Beggs, J. H. Bowden, John Burnett, J. Michie, J. A. Walsh, L.R.C.P.E., etc., and W. F. Wells.

THE LATE KING.

The PRESIDENT said: Since our last meeting the people of these countries and of Greater Britain beyond the seas have been plunged into the deepest sorrow through the death of our beloved Sovereign King Edward VII. It is right and proper that we, as a statutory body, should express our feelings of sorrow and regret at this our first meeting since his death. Perhaps no Sovereign was so beloved or has been so mourned for by the whole Empire as King Edward. The death of Queen Victoria was, by reason of her long reign and exemplary life, keenly felt; but in King Edward the people felt they had a Sovereign who was always ready to identify himself with every project for the nation's welfare, and who did more than his share in helping on all good works. We in Ireland have reason to believe that he took a warm interest in everything that tended to the welfare of this country. While mourning for him who is gone, it is our duty and privilege to offer our respectful sympathy to his Majesty King George V. and members of the Royal Family, and to assure his Majesty of our steadfast loyalty to his throne and person. I am sure it does not require any words of mine to commend the following resolution to you, and I would ask Dr. Walsh, ex-President, to second it:

"That the President and Council of the Pharmaceutical Society of Ireland, incorporated by Act of Parliament, desire to place on record their profound grief at the death of his Majesty King Edward VII., who endeared himself to his subjects by his unflinching sympathy no less than by his kindly attributes; and they desire that the expression of their humble sympathy may be conveyed to his Majesty King George V. and all the Royal Family, with the assurance of their steadfast loyalty towards his Majesty's throne and person."

Dr. WALSH, in seconding, said: I am quite sure there is no necessity for me to add anything to what the President has said, except to express my belief, which is the belief of everybody, that the late King is very sincerely mourned by all, no matter what creed or politics they profess. He was a man who was altogether above party politics; and not alone because of his exalted position, but by his own personality, he had endeared himself to his own subjects and to the people of all parts of the world with whom he happened to come into contact. I therefore feel proud to be permitted to second this resolution of sympathy.

The resolution was passed in silence. Those present standing in their places. On the motion of Mr. BEGGS, seconded by Mr. MICHIE, the seal of the Society was affixed to the resolution.

TELEGRAM FROM QUEEN ALEXANDRA.

Mr. FERRALL (Registrar) said the following telegram had been received in reply to one sent by the President expressing sympathy on the death of King Edward:

"Buckingham Palace.
Queen Alexandra sends her sincere thanks for your kindly sympathy in her bereavement."

On the motion of Mr. WELLS, seconded by Dr. WALSH, the President's telegram and Queen Alexandra's reply were placed on the minutes.

PHARMACISTS AND DOCTORS.

Mr. WELLS said that since they last met there a very interesting meeting, and one of great moment to pharmacy, had taken place in London. At the Conference last year a matter was discussed—namely, to try and get the dispensing of prescriptions into the hands of pharmacists throughout the United Kingdom; in other words, to get the doctors to give up dispensing. A resolution was then passed

asking the Executive of the Conference to take the matter up and see what could be done. The result had been that on May 19 the British Medical Association received a deputation of eleven members of the Conference selected from all over the United Kingdom. It was his (Mr. Wells's) privilege to be there as representing Ireland. They were cordially received by the medical men, and they had a long discussion occupying about two and a half hours. The medical men seemed very much disposed towards the deputation's way of thinking in the matter—that was, that dispensing should be done by pharmacists and not by doctors, and that, on the other hand, chemists and others who had been in the habit of prescribing should give that up to the doctors. They discussed the matter at great length, and he thought it was possible that some good might come out of it. The actual net result at the present moment was that a Standing Committee was to be appointed with eleven representatives of each body—eleven representing the British Medical Association and eleven representing the Conference—with a view to meeting from time to time to consider matters of mutual interest. He thought that even if they did not get all they sought for—and they were not likely to get it for some time to come, as the subject was a very large one—both sides might derive considerable benefits from this friendly intercourse between the representatives of the medical profession and of the Conference. He thought it right to let the members of the Council know what had taken place. An official report would be published later on. He was very strongly of opinion that what had taken place might lead to some good in the future. (Hear, hear.)

NEWFOUNDLAND PHARMACY BILL.

Mr. FERRALL (Registrar) submitted a copy of the Newfoundland Pharmacy Bill transmitted by the Secretary of State for the Colonies. He said that the Bill provided that, besides the examination and registration fees, an annual registration fee should be paid. It also provided for a minimum penalty of 5/.

PHARMACY BOARD OF NEW SOUTH WALES.

Mr. FERRALL read the following letter:

"Pharmacy Board of New South Wales,

"7 Richmond Terrace, Domain, Sydney, April 12, 1910.

"SIR,—Some time ago I wrote to you stating that the Pharmacy Board of New South Wales would in future accept the certificate as pharmaceutical chemist of Ireland as sufficient qualification for registration as pharmacist in New South Wales. Since then we have registered several gentlemen who proved to be such pharmaceutical chemists of Ireland.

"May I ask if you have done anything to meet this Board, and if you are willing to accept the certificate as pharmacist issued by this Board? I shall be glad to hear from you in the matter.

"I have just now received another inquiry from a gentleman who says that he is a registered pharmaceutical chemist of Ireland. I cannot verify his statement, as I do not possess your register. I will take it as a favour if you will kindly post me your latest register, so that I may be able to compare and see that the gentleman in question is at present on your register.

"I am sending you under separate cover the official register of New South Wales corrected up to December 31, 1909. Trusting to hear from you, I remain, yours faithfully,

"A. FORSTER, Registrar."

The PRESIDENT said they were very glad to learn that the New South Wales Board had agreed to recognise their certificate as sufficient qualification for registration in New South Wales. In reply to the inquiry as to whether they had taken any steps towards the recognition of the New South Wales certificate in Ireland, they could only say that they had made every effort to have the clause in regard to reciprocity in the Pharmacy Bill of 1908 extended to Ireland, but that they had been unsuccessful, and that under the circumstances they had no power at present to grant reciprocity.

Mr. WELLS suggested that they might add in the reply that should the opportunity of a Pharmacy Bill occur for Ireland they would include such a provision in it.

This suggestion was agreed to, and it was also decided to send the New South Wales Board a copy of the Society's Calendar.

EXAMINER IN PHARMACY.

A letter was received from the Clerk of the Council, Dublin Castle, acknowledging the receipt of the letter notifying the appointment of Mr. W. V. Johnston, M.P.S.I., as Examiner in Pharmacy. Mr. FERRALL also read a letter from Mr. Johnston thanking the Council for the honour.

MISCELLANEOUS MATTERS.

A letter was received from the Scientific Department of the International Hygiene Exhibition, to be held at Dresden in 1911, inviting the Society's participation. The communication was noted.

Certificates were received of the deaths of Mr. Henry Ramage, pharmaceutical chemist, 39 Belmont Avenue, Dublin; Mr. Wm. Gore, chemist and druggist, 127 Thomas Street, Dublin; and Mr. Bernard Reilly, chemist and druggist, Arva, County Cavan.

Thanks were accorded to the American Pharmaceutical Association, the Branch Medical Council for Ireland, and the editor of "The Pharmaceutical Journal" for donations of books.

Reports from the Law Committee and the House Committee were received and adopted.

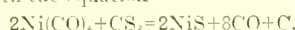
On the motion of Mr. BOWDEN, seconded by Mr. BURNETT, Dr. R. M. Bronte, M.P.S.I., was re-elected Chemistry Examiner in the Licence examination.

On the motion of the PRESIDENT, seconded by Mr. WELLS, the following were nominated for membership: Mr. John Duncan Blair, Ph.C., 7 St. Patrick Street, Cork; Mr. McJohn Caffrey, Ph.C., 123 Great Britain Street, Dublin; Mr. Samuel Daly, Ph.C., Clooney Pharmacy, Waterside, Derry; Mr. Cecil Newton, Ph.C., Ballinrobe, County Mayo; and Mr. John Frederick O'Neill, Ph.C., Pharmacy, Carrick-on-Shannon, County Leitrim.

Chemical Society.

A MEETING was held at Burlington House, London, W., on Thursday, June 2, Professor H. B. Dixon, F.R.S., presiding. It was announced that a fund is being raised to found scholarships and bursaries at Breslau University in memory of Dr. Richard Abegg.

THE ACTION OF NICKEL CARBONYL ON CARBON DISULPHIDE was the subject of the first paper, communicated by Sir James Dewar and Mr. H. O. Jones. When the vapours of these substances are mixed in a glass vessel the latter becomes coated with a bronze-tinted lustre. The principal component of this mirror is nickel sulphide, formed in accordance with the equation



Some difficulty was experienced in establishing this equation, since the reaction is ultimately stopped by the carbon monoxide formed, and, in fact, the addition of excess of the latter gas to the initial mixture inhibits the reaction altogether.

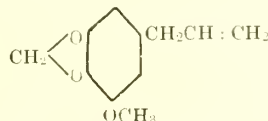
The next paper was a communication from the Wellcome Chemical Research Laboratories on the

SYNTHESIS OF COTARNINE.

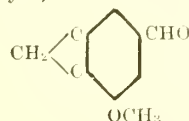
By Arthur H. Salway, B.Sc., Ph.D.

Cotarnine, which is a degradation product of the alkaloid narcotine, has now been synthesised from myristicin in the following manner:

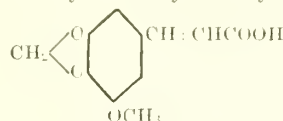
Myristicin—



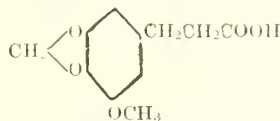
—a constituent of the essential oil of nutmeg, was first oxidised to myristinaldehyde,



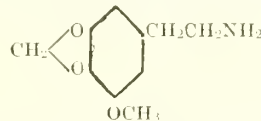
which readily condensed with ethyl acetate in the presence of sodium to form 3-methoxy-4:5-methylenedioxyphenylpropionic acid,



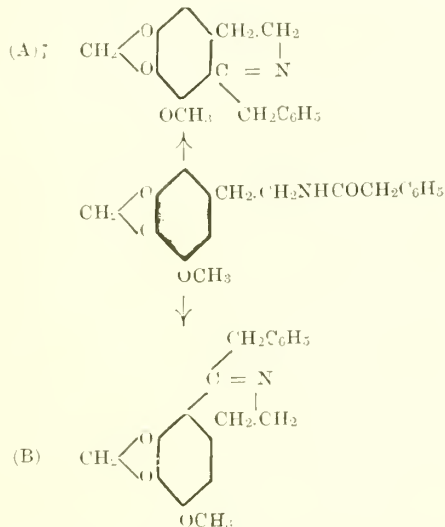
The latter compound was next reduced with sodium amalgam and yielded β -3-methoxy-4:5-methylenedioxyphenylpropionic acid,



which was successively transformed into the acid chloride, acid amide, and finally, by means of Hofmann's reaction, into β -3-methoxy-4:5-methylenedioxyphenylethylamine,



The phenylacetyl derivative of the latter base was then condensed by heating with phosphorus pentoxide in the presence of xylene. In this reaction two isomeric dihydroisoquinoline derivatives (A and B) were produced, according to the following scheme:



The compound (A), which was isolated as a hydrochloride decomposing at 192°, was then converted into its methochloride, the latter reduced with tin and hydrochloric acid, and the reduction product oxidised with manganese dioxide in the presence of dilute sulphuric acid. From the product of this oxidation there was isolated the hydrochloride of a base, which was found to be identical with cotarnine as derived from the alkaloid narcotine. The identity of the synthetic product with cotarnine from narcotine was proved by the preparation and comparison of their aurichlorides and picrates.

The second dihydroisoquinoline derivative (B) was subjected to the same treatment as that above described in connection with its isomeride (A), and yielded a new base, which is isomeric with cotarnine and has been designated *neocotarnine*. Having now accomplished the synthesis of cotarnine, it follows that the synthesis of narcotine is thus rendered complete.

A paper was next read on the

ACCURACY OF THE GOLD BULLION ASSAY

by Mr. Phelps. The author described the bullion assay method in use at the Royal Mint Laboratory and the precautions taken in checking assays. Magnesia cupels are found in practice to be more accurate than the old-fashioned bone-ash cupels. Summarising the points discussed, the author stated that the Royal Mint assays may

be inaccurate to the extent of 4 parts in 100,000, while commercial bullion assays in the United Kingdom may be wrong to the extent of 6 parts per 100,000. A similar investigation recently undertaken in the United States showed that commercial bullion assays there may vary on either side to the extent of 10 parts per 100,000. These estimates of probable error do not take account of certain possible impurities, such as platinum and other rare heavy metals.

OF THE REMAINING PAPERS,

one on the crystalline forms of sulphonated haloid derivatives of benzene was read by Mr. Colgate, and another by Dr. Armstrong, in which he pointed out that the results communicated by Mr. Colgate were a first instalment of a piece of research he (Dr. Armstrong) began twenty years ago, with a view to tracing the orienting influence of various halogens substituted in the benzene ring. In that time many data had been collected, but he saw no way of drawing general conclusions from them until two years ago, when Pope and Barlow evolved their theory connecting the crystalline form of a substance with its atomic structure. In the present and future papers he proposes to develop the application of that theory to this subject. Dr. Philip read the last paper, which dealt with the influence of one electrolyte on the solubility of another in organic solvents, and developed a linear equation, which expressed the results actually obtained fairly satisfactorily.

Association Affairs.

Brief Records.

Keighley Chemists' Association.—Mr. Eeroyd has been re-elected President for the ensuing year, and all the other officers have also been re-elected. The Treasurer has a balance in hand of 5*l.* 1*s.* 11*d.*

Aberdeen Pharmaceutical Association.—The quarterly meeting was held in Robert Gordon's College on Wednesday, June 1. Mr. Leslie (President) in the chair. The meeting appointed Messrs. W. Giles, W. F. Hay, and J. P. Kay to represent the Association at the British Pharmaceutical Conference meetings at Cambridge. The Executive submitted their revision of "The Constitution and Standing Orders" of the Association for consideration. The annual outing of the Association will be to Stonehaven on Wednesday, June 29, leaving Aberdeen by train at 10.5 a.m. Full particulars may be obtained from the convener, Mr. Charles Stewart, 27 Rosemount Place, Aberdeen, who will welcome any pharmacists who may be in the vicinity of Stonehaven.

Drug Stores' Association.—The smoking concert postponed on account of King Edward's death was held at the Hotel de Ville, Leeds, on May 25. Mr. W. H. Huntrods (President) in the chair. Over forty members and friends were present. In the course of the evening Mr. J. G. Chadwick (solicitor to the Association) proposed the toast of the Association, and mentioned that a great deal of work had been done in connection with the incorporation of the Association. Everything had been considered with the object of obviating the necessity of altering either the articles or the memorandum for a long time to come. He expected the baby would be born next week, and he believed that it would soon grow into a large and powerful giant. He understood that the percentage of retailers who had joined the Association was small. He could hardly understand why an intelligent body of traders should be so blind to their own interests. Mr. J. Bedford, in response, said the Association had passed through many difficulties, and a few years ago it looked like coming to grief; but the Council had stuck manfully to their guns and kept close together with a successful result, and he was proud to know that he was one of the number who had helped to bring the Association through a dark stage. The following contributed to the programme: Messrs. A. Nelson, J. Crosswaite, G. Fowler, A. Atha, F. Exleby, J. Addyman and E. North (accompanists), and C. P. White.

National Union of Assistant Pharmacists.—A meeting of the Birmingham Branch was held at Benson's Restaurant, Lower Temple Street, on Monday, June 6, when there were present Messrs. Spencer, Rigg, Matthews, Llaing, Lee, Vines, Harris, Wilson, Bays, Francis, Doo, and Bentley. The Secretary reported on the progress of the branch since the annual meeting, and commented upon the result of the Pharmaceutical Council election, which it was generally agreed to was highly favourable to the Union, and gave every prospect of success at a later date. A discussion ensued on the best means of increasing the membership of the branch, and, if possible, to bring the total up to 100 strong by the next general

meeting. It was decided that the best means would be to make the social element a greater feature of the meetings, and an Organising Committee, consisting of Messrs. Wilson, Lee, Matthews, Rigg, and Llaing, was formed for the purpose of making the necessary arrangements. It was also decided to organise a picnic and cricket match during the next few weeks, the matter to be left with Messrs. Wilson, Doo, and Bentley. Mr. F. Bentley (Hon. Secretary), 36 Islington Row, Edgbaston, would be glad if all those willing to take part in this outing will communicate with him. Wednesday afternoon is the day chosen, and the cost will be about 1*s.* per head.

Sheffield Pharmaceutical and Chemical Society.—A meeting was held at the Temperance Hall, Towerhead Street, on Wednesday evening, June 8. Mr. Percy Carr (President) in the chair. There were also present Messrs. H. Antcliffe, J. Austen, H. G. Williams, J. G. Pater, R. D. Douglas, J. P. Hewitt, F. Medley, J. T. Appleton, and A. R. Fox. After a resolution in regard to the death of King Edward had been passed, the Hon. Secretary was requested to make inquiries as to whether Mr. Newsholme was intending to attend the British Pharmaceutical Conference at Birmingham, with a view to his appointment as a delegate of the Society. It was also agreed to support the Edinburgh scheme for reconstruction of the Federation of Local Pharmaceutical Associations. The Preston Chemists' Association's letters in regard to the sale of medicated wines and spirituous medicines was read. Mr. Antcliffe and Mr. Pater deprecated any action being taken, but Mr. Appleton disagreed, and quoted from the *C. & D. Diary* the law of this subject. After an animated discussion it was moved by Mr. Appleton:

"That on behalf of this Society the Hon. Secretary be asked to write to the Inland Revenue authorities on any specified cases that may be brought to his knowledge by any individual member and ask them to take action."

This failed to obtain a seconder, and on the motion of Mr. Antcliffe, seconded by Mr. Douglas, it was decided that the letter should be laid on the table. The President then referred to the Petroleum Spirit Committee's report, and stated that a supervisor informed him that all chemists would be required to take out a 5*s.* licence for the retail sale of petroleum spirit or preparations which had a flashing point below 75° F. It was decided to ask the opinion of the C.D.A. on the point. [This is quite erroneous. The Chancellor of the Exchequer inserted in the Finance Act a clause exempting from the licence sales of quantities less than a pint. The clause was suggested by the *C. & D.*—EDITOR.] Mr. Douglas called attention to an advertisement which appeared in the *C. & D. Supplement* a week or two ago, which stated that at a meeting of the Society it was decided to recommend members of the Pharmaceutical Society to vote for two candidates for election to the Council. He asked by what authority it was sent to the *C. & D.*? The President replied that if Mr. Douglas had read the advertisement carefully he would have seen that it was signed by the officers. "At a meeting of the officers of the Society" was distinctly stated, and it was signed by the half-dozen men who sent it. Mr. Douglas said that he thought it absolutely misleading and a disgrace that the officers of the Society should do such a low and underhand trick as that.—Mr. Austen said that he thought it a most deplorable thing that after forty years' existence of this Society they were at the lowest stage morally that they had ever been. Mr. Austen proceeded to speak very strongly in regard to the matter, and warm argument took place between him and the President, the latter saying that he thought the men whose names were on the advertisement were of as good character as others, and it was very much out of place that such remarks as Mr. Austen's should be made. Mr. Pater adverted to a letter which he had sent to the *C. & D.* with another member, and said that the officers had abused their privilege when they wrote the advertisement. What right have they as officers to solicit a vote for any individual without calling a meeting of the Society? Mr. Appleton said sarcastically that he thought the remarks of Mr. Austen and Mr. Pater reflected great credit upon them, and the discussion continued on heated lines until the President declared that the matter was not official, and he declined to have it discussed further. The meeting then broke up.

Summer Outings.

Arrochar.

Thursday, June 2, was observed as a holiday in Glasgow, and the majority of chemists' shops were closed. The employees of Messrs. Cockburn & Co., Ltd., to the number of seventy, journeyed by rail to Arrochar, and in delightful weather spent a most enjoyable day among the hills. A short programme of sports was carried through, and the remainder of the day was spent in hill-climbing and boating.

Botanising.

On Thursday, June 2, the students of the Glasgow School of Pharmacy, accompanied by the Principal (Mr. John Lothian) and demonstrators, held a botanical excursion on Loch Lomond side. Train was taken to Balloch, thence per steamer to Rowardennan. After an *al fresco* lunch, the party walked along the bonnie banks to Balmaha. Favoured with ideal weather, the outing was a distinct success. The district is rich in botanical specimens, hawthorn and broom just now being in magnificent blossom, and specimens of these and numerous other plants were taken.

The members of the Edinburgh Chemists' Assistants' and Apprentices' Association had their first botanical excursion of the summer session to Inveresk on Wednesday, June 1, when a party of about thirty, under the leadership of Mr. W. B. Cowie, Ph.C., F.C.S., travelled by rail from Waverley Station at 8.10 P.M. They gathered specimens from the railway bank and down by the River Esk as far as Musselburgh. It was noted as indicating the lateness of the season that the lime-tree, *Tilia europæa*, was not in flower, and not a single poppy was seen in flower, nor were flowers seen on the *Sparanium* in the river. Nevertheless, the vasculus contained specimens of about sixty kinds of plants.

Trade Notes.

SPIROSAL, the monoglycollic ester of salicylic acid, is a non-irritating and odourless preparation of salicylic acid for external use in chronic muscular and articular rheumatism. The Bayer Co., Ltd., 19 St. Dunstan's Hill, London, E.C., issue the preparation in 1-oz. bottles. It is diluted for use with twice its volume of rectified spirit.

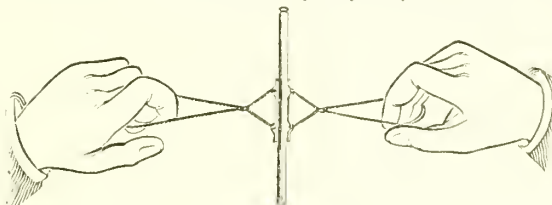
CHOPPER FOR FLAVOURING-MATERIALS.—Messrs. John E. Smith's Sons Co., of Buffalo, N.Y., are the makers of a chopping-machine for vanilla, lemon-peel, and similar flavouring-materials, which are required to be comminuted before they are extracted by solvents. The chopping-machine has advantages over disintegrators and other grinding-apparatus, and for this reason it has been adopted by prominent manufacturers. The firm invite inquiries from essence-makers in regard to the machine.

TUBERCULIN PRODUCTS.—Messrs. Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., have sent us specimens of four varieties of tuberculin, viz. (1) Tubercle vaccine. This is similar to Koch's bacillary emulsion, and is prepared in both human and bovine strains, each in two dilutions; (2) New tuberculin (w), human or bovine, is a tubercle endotoxin; (3) Tabloid hypodermic new tuberculin (w), the tabloid form of new tuberculin; and (4) Tuberculin (human) for Von Pirquet's cutaneous reaction. The last-named is employed as a test for tuberculosis. It is used like ordinary small-pox vaccine, and in tuberculous persons a vivid red papule appears within twenty-four hours. The various tuberculins prepared at the Wellcome Physiological Research Laboratories are sterile and standardised. The two strains, human and bovine, are issued in each kind and are used according to the suspected source of infection. Full directions for use are given with the tuberculins.

BOISSELIER'S CHOCOLATE.—An exhibition of Boisselier's Christmas Fancies and Novelties, filled with chocolates and confectionery, is being held this week at the Cannon Street Hotel, London, E.C. A C. & D. man who visited it came away with a pleasant flavour of chocolate in his mouth and an impression of artistically packed confectionery in his mind. Fancy boxes of chocolate are there from $\frac{1}{4}$ d. up to a guinea. The novelty of the year is that the lids of the boxes are framed pictures, an idea which naturally offers a wide choice. The newer productions in chocolates are the "Parisien," "County," and "Rigi," all of which are well adapted for sale by chemists. The "Parisien" is a mixture of fancy chocolates which sells at 2d. per oz. or in 5s. boxes, the "County" is put up in 4-oz., 8-oz., and 1-lb. boxes for direct sale, while the "Rigi" is in 1-lb. and 2-lb. boxes. A good line is banana chocolate in 1d. and 3d. packets; this is after the style of chocolate creams, but the interior is a banana-and-almond paste of delightful flavour. "Fruitlets" are well-flavoured confections suitable for good-class retail. Another exhibition is to be held at the

same place in September. The makers are the Watford Manufacturing Co.

DULLEY'S CLINICAL CASE.—One of the most frequent complaints received from purchasers of clinical thermometers is the difficulty—often very real—of shaking down the mercury below the bottom graduation. Many devices—more or less effective and expensive—have been brought out to overcome this objection, but Mr. Dulley, of Cromer, has patented a simple case, an adaptation of centrifugal force, which is put on the market to retail at 1s. Messrs. W. Toogood, Ltd., 77 Southwark Street, London, S.E., who are placing this device on the market, have brought it to our notice. The illustration partly explains the idea.



The clinical thermometer is put in the case mercury end outwards, the case being arranged with an internal spring so that the greater part of the thermometer is beyond the centre where the cords are attached. A loop of the cord is then placed on the second finger of each hand, leaving the first fingers and thumbs free to start the case revolving. The fingers holding the cords are then alternately relaxed and made taut, this imparting to the case a violent centrifugal motion which sends the mercury back to the bulb. The cases are of such a size that they will do for any ordinary clinical. While at Messrs. Toogood's we inspected a capital series of modern medicine cases. These range from the 1s. and 2s. 6d. "Scout and Cyclists'" case to the "Motor" case costing 8s. 6d., the "Accident Emergency" case, costing 14s., to the "Factory" case at 25s. The "Motor" and "Factory" outfits are in japanned metal cases, the "Accident Emergency" case is in a waterproof imitation-leather outer. A nice showcard is supplied with the "Scout and Cyclists'" outfit.

Poison Licences.

(Poisons and Pharmacy Act, Sec. 2.)

Notice of Application.

YORKS.—Thos. Adair Verity, grocer, Masham. [The advertisement states applicant's intention of applying to the Magistrates sitting at Bedale, but the County Council is the proper authority.]

Renewals.

BURTON-UPON-TRENT.—Mrs. Isabella Johnson, Forge Nursery, Newton Road.

EXETER.—The applications of Messrs. Veitch & Son and W. Randall and S. Randall, for renewal of their respective licences have been granted by the City Council's General Purposes Committee.

FOLKESTONE.—Mr. L. G. A. Uden (G. & A. Clark, Ltd.), nurseryman, Cheriton Gardens.

LANCASTER.—The Town Council on June 1 decided to renew all the licences issued last year.

OXFORD.—The City Council have renewed for a year the three licences granted on June 2, 1909.

Inspector Appointed.

FAVERSHAM.—The Town Council on May 31 decided by a majority of one to appoint their sanitary inspector to act as inspector under the Poisons and Pharmacy Act, at a fee of one guinea per annum. The matter was again brought up after an adjournment of three months (C. & D., March 12, p. 409) by Mr. E. Jenkins, chemist, who moved the appointment of the inspector. No reply was given to a question by Mr. Jenkins as to whether the two licensees had complied with the regulations. The Town Clerk informed the Council that it appeared that the Act cast no obligation on the local authority further than the granting of licences, and that anyone could prosecute offending licensees. It was thought that the duty of taking prosecutions should remain where it was before the passing of the Act. The sanitary inspector said, on reading the Act, he certainly found the duties to be very responsible. Mr. L. Jackson, in opposing the motion, said the two licensees were both well known to the Council.

Trade Report and Market Review.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are obtained for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at these prices.

42 Cannon Street, London, E.C., June 9.

BUSINESS conditions do not show any improvement, judging by the expressions of those in daily touch with the markets, but the fact cannot be ignored that the official statistics of the Board of Trade record substantial increases in the exports of drugs and chemicals during May and the five completed months of this year. Market price alterations have been few, one of the most interesting being an impending advance in bromides, following on that of the American makers announced last week. Magnesium sulphate is dearer. Ammonium sulphate is flat, and sodium nitrate easier. Refined camphor has been in more demand for shipment. Glycerin is firm, with business at official prices. In drugs, fine dragon's blood sells at firm rates. Soudan and E.I. acacia are dearer to arrive, and Senegal gum is held for higher rates. Jalap is firm and scarce. Castor oil is weak, and cod-liver is quiet but firm. Opium is a centre of interest, rains in some districts somewhat jeopardising the crop, and the reports as to otto of rose are not quite so optimistic owing to protracted distillation. Senega to arrive is cheaper, and Angostura tonka beans are moving upwards. Coriander-seed is dearer. Shellac is easier, and india-rubber has further declined. The principal changes have been as under :

Higher	Firmer	Easier	Lower
Coriander-seed	Camphor	Castor oil	Indiarubber
Epsom salts	(China	Copper	Palm oil
Gum senegal	crude)	sulphate	Rape oil
Tonka beans	Pepper	Guinea-grains	Senega
(Angostura)		Linseed	(c.i.f.)
		Shellac	
		Soda nitrate	

Cablegrams.

BERGEN, June 8.—At Finmarken stormy weather has prevented cod-fishing this week. The market for finest non-congealing Lofoten cod-liver oil is firm but quiet at 103s. 6d. per barrel, c.i.f. terms.

NEW YORK, June 9.—Business in drugs is of a jobbing character. Opium is easy at \$1.90 per lb. for druggists'. Jalap has advanced to 32c. Ipecacuanha is lower at \$1.20 per lb. for Cartagena. Curaçao aloes is firmer at 9c. Peppermint oil continues easy at \$1.85 for Wayne County in tins. Hydrastis is steady at \$2. Serpentry is also steady at 55c. Cascara sagrada is unaltered, and guarana is lower at \$2.50 per lb.

London Markets.

ASAFETIDA.—According to a British Consular report on the trade of Bunder Abbas, for the Persian official year, March 21, 1908, to March 20, 1909, the exports have been as follows :—

	1906-7	1907-8	1908-9
	Cwt.	Cwt.	Cwt.
United Kingdom ...	731	358	232
India ...	6,174	5,832	1,748
Turkey and Turkey-Arabia	61	—	30
Switzerland ...	—	44	54
Other countries ...	40	3	—

In recording the sale of this drug at auction last week, we gave the highest price paid as 217., whereas four cases

sold at 217. 10s. per cwt. for good pale almondy drop and partly pinky block. Six packages have arrived this week from Bunder Abbas.

ANISEED.—Common quality can be bought at 23s. 6d., but good Russian is worth 26s. per cwt. Spanish is quoted 37s. 6d. to 38s. 6d. per cwt.

ARROWROOT.—At auction 718 packages St. Vincent were bought in at from 2d. to 2½d. per lb. for fair to good manufacturing.

BENZOIN.—A small sale of fair bold to medium Siam free almonds has been made at 20l. per cwt. About 40 cases Sumatra just arrived will be offered next week. The deliveries of Sumatra remain good, and the market of Palembang description being now almost bare, holders ask an advance of from 5s. to 7s. 6d.

BROMIDES.—The advance of 1d. per lb. in the price of American bromides announced in our New York cable last week has been followed by the withdrawal of prices on the part of the German and British makers preparatory to an advance, which, however, at the time of closing for press has not been announced. Previously the English makers had been selling potassium on the basis of 10½d. net for 1-cwt. lots, but, as announced above, this price is withdrawn pending developments. Second-hand holders offer a limited quantity of potassium at 11d. to 11½d. and both these prices have been paid. There was a rumour on 'Change on Wednesday that the German price had been advanced 20m. per 100 kilos., but nothing definite was known, and gossip is busy as to what the price will eventually be. Evidently the German Bromide Convention, which has been registered as a new company (see below), will continue to dictate prices, and the arrangement by which the United States is prevented from shipping to this market will probably still hold good.

The German Bromide Convention, which was prolonged last November, has now been registered as a limited company for three years from January 1, 1910, at Leopoldshall-Stassfurt, with a share capital of 1,460l., and it will be continued for a further year unless notice to terminate is given by a constituent at least six months prior to the nominal expiration of the agreement. If, according to the declaration of the directors, no success attends the attempt to bring about an agreement with a producer of bromine and bromide salts who is not subject to the agreement for the entrusting of the sale of his products to the convention, any constituent has the right, by giving two months' notice, to terminate the company relationship. The notice will not cause the dissolution of the company if the latter resolves before the lapse of the term of notice to call in the business share of the member giving notice, and in this case the constituent can only claim the refunding of the nominal value of his share. In the case of notice being presented in regular order, no constituent is allowed before the expiration of three months from the receipt of notice to enter into negotiations with third parties in regard to the sale of his products. In the case of notice due to the holding aloof of a new works, the constituent responsible for the notice is not permitted to open negotiations with third parties for the disposal of his products before the lapse of one month from the receipt of the notice. As soon as a member giving notice receives the right to negotiate for the sale of his output, the same right will devolve upon all other constituents who have given notice before the right becomes operative. The notice will be ineffective if the outstanding works joins the convention within a period of one month.

BUCHU.—The *Armada Castle* from Cape Town has brought 48 packages, of which 32 packages (mostly ovals) are for London, and the remainder in transit for Hamburg. For good green round leaf 3s. 6d. per lb. is now asked for the bale or two available, good green ovals being held at 1s. 9d. About a dozen packages will be offered next week, mostly ovals.

CALABAR BEANS.—The exports from Liberia, West Africa, during 1908 (the latest figures available) amounted to 4,318 lb., valued at 37*l*. Much larger shipments could be made if there was a wider market.

CAMPHOR (CRUDE).—China is stated to be scarce on the spot, sellers now asking 155*s*. to 160*s*. per cwt.

CAMPHOR (REFINED).—The English refiners quote bells at 1*s*. 10*d*., and flowers at 1*s*. 9*d*. per lb. in cwt. lots. Japan refined is steady at 1*s*. 6½*d*. for 2½-lb. slabs, 1*s*. 7*d*. for 1-oz. and 1*s*. 7½*d*. for ½-oz.; to arrive 1*s*. 5¾*d*. c.i.f. has been paid for slabs, and 1*s*. 6½*d*. c.i.f. for 1-oz. tablets.

CANARY-SEED is depressed, owing to cheap offers of new crop Turkish and no demand on the spot. Turkish is offering at 37*s*. 6*d*. per quarter, c.i.f. terms, and 41*s*. on the spot. As there is a very short crop in Morocco, prices of good quality of this description are steady at 45*s*. to 46*s*. per quarter.

CANTHARIDES.—Russian flies are unaltered, offering from the Continent at 2*s*. 10*d*. to 3*s*. per lb. c.i.f.

CARAWAY-SEED is unchanged at 28*s*. 6*d*. per cwt. for fair Dutch on the spot.

CHILLIES.—At auction 90 bags fair Mombasa were bought in at 46*s*.

CLOVES.—At auction 247 bales Zanzibar offered and 83 sold at 5½*d*. for rather dark mixed, and 10 cases Penang were bought in at from 1*s*. 7*d*. to 1*s*. 9*d*. Privately the delivery market is firm, the sales including August-October at 5¾*d*., and October-December at 5½*d*. There are buyers of November-January shipment at 5½*d*. c.i.f. d/w. The spot market for Zanzibar is quiet, with small sales of dullish to fair at 5*d*. to 5½*d*.

COCOA-BUTTER.—At the Amsterdam auction on Tuesday 88½ tons Van Houten's sold at 61*c*. per half-kilo., against 60.30*c*. at the last auction, and four tons other makes at 54.75*c*.; in London on Tuesday 40 tons Payne's were bought in.

COLOCYNTH.—Small sales of good pale Turkey apple without loose seed have been made at 1*s*. per lb.

COPPER SULPHATE is slightly easier, the market for Liverpool brands for prompt delivery closing at 17*l*. 12*s*. 6*d*. per ton.

CORIANDER-SEED is dearer, owing to small crop in Morocco and diminution of stocks here; common wormy has been sold at 9*s*., and common to ordinary sound at 10*s*. to 10*s*. 6*d*. per cwt.

CUMIN-SEED is steady at 33*s*. per cwt. for ordinary Morocco, and 37*s*. 6*d*. for good sifted. Malta is still quoted 40*s*. per cwt.

DRAGON'S-BLOOD.—The *Tenkai* has brought 17 cases from Singapore, and altogether about 30 packages have arrived in the warehouse. About a dozen bales have been sold since the auction, fine reboiled Singapore lump changing hands at 11*l*. 10*s*. per cwt.

ERGOT.—Russian is firm at 1*s*. 4*d*. per lb. c.i.f. or 1*s*. 5*d*. on the spot.

FENUGREEK-SEED is selling in retail at 10*s*. to 11*s*. per cwt. for ordinary to good Morocco on the spot. The price for shipment is quoted 7*s*. 6*d*. to 8*s*. per cwt., c.i.f. terms.

GAMBIER.—The spot sales include good cubes at 38*s*. per cwt.

GAMBOGE.—Small sales of fair slightly blocky pipe have been made at 15*l*. 10*s*. per cwt.

GINGER.—At auction 384 bags limed Japan were offered and 300 sold at 37*s*. 6*d*. to 38*s*. without reserve. Of Cochin, 300 bags washed rough were bought in at from 48*s*. to 52*s*. 6*d*.; and of Jamaica, 363 packages were offered and bought in at from 54*s*. to 63*s*. for good ordinary and middling. Privately the recent sales include medium rough and scraped, partly limed Cochin at 60*s*. and fair washed at 50*s*.

GLYCERIN.—The English refiners state that they are doing business at the official rates both for home and export account, and that the consumptive demand and deliveries for the period of the year are good. According to the New York "Oil Paint and Drug Reporter," the Government contract lately awarded for dynamite for the Panama Canal involved 15,727,000 lb., with an option of

increasing the amount by 50 per cent. within the year. If this option is exercised it will mean about 5,500 drums of dynamite glycerin to meet the requirement.

GUAIACUM.—The exports from Hayti during 1908-9 amounted to 6,718 lb., against 13,085 during 1907-8, and 11,198 lb. in 1906-7.

GUINEA GRAINS.—Arrivals on the Continent enable holders to shade prices to 88*s*. per cwt. c.i.f.

GUM ACACIA.—Soudan is dearer to arrive at 32*s*. 6*d*. per cwt. c.i.f.; on the spot, sales of new crop have been made at 33*s*. and 34*s*. for softish yellow and red old gum. Senegal is higher at 33*s*. 6*d*. for Bas de Fleuve f.o.b. Bordeaux, and on the spot sellers ask 34*s*. East Indian Ghatti is firmer, holders asking 35*s*. 6*d*. for No. 1 and 25*s*. per cwt. c.i.f.

INDIARUBBER.—After the close of our last report hard fine Para sold down to 9*s*. for June-July delivery, recovering 2*d*. on Saturday, spot and July-August selling at 9*s*. 2*d*. This week the market opened irregular, the sales including June-July at 9*s*. 4*d*. to 9*s*. 2*d*., and after slight fluctuations the value on the spot and June closes 6*d*. higher, up to 9*s*. 8*d*. having been paid to-day.

IPECACUANHA.—Quiet. Matto Grosso is quoted 9*s*. to 9*s*. 3*d*. as to quality, and genuine East Indian at 10*s*. 6*d*. A parcel of the latter description is now on the way. Some inquiry for Cartagena is reported from Hamburg, which market is said to have been practically cleared.

JALAP is firm and scarce on the spot, with a limited quantity available at from 1*s*. 4*d*. to 1*s*. 6*d*. per lb. on the spot, the latter for 10 per cent.

LIME JUICE.—Quiet at from 11*d*. to 1*s*. 2*d*. per gal. for ordinary to good West Indian raw.

LINSEED.—Although the arrival market has fallen considerably, yet, as fine seed on the spot is scarce, the quotation has been only slightly reduced to 65*s* per quarter.

MAGNESIUM SULPHATE has advanced 1*s*. 6*d*. per ton, the quotation for 1-cwt. kegs being 5*l*., barrels 4*l*. 15*s*., and casks 4*l*. 10*s*. per ton.

MUSK.—Tonquin blue skin pod is scarce, the value of pile 1 being 68*s*. and pile 3 50*s*. per oz.; old style is 55*s*. to 56*s*., and pile 3 35*s*. per oz. Cabardine is neglected, the value of China being 24*s*. and Russian 19*s*. per oz.

OIL, BERGAMOT.—The undertone continues easy, and in some quarters it is possible to buy below the current rates as the result of favourable contracts; from 15*s*. to 15*s*. 6*d*. per lb. is quoted. Advices from Sicily state that the market is unaltered, but holders are not anxious to press sales at the moment.

OIL, CASSIA.—Quiet. The spot values are 80 to 85 per cent. c.a. 3*s*. 8*d*., 75 to 80 per cent. 3*s*. 6½*d*., and 70 to 75 per cent. 3*s*. 5*d*.; to arrive, the latest quotations are 80 to 85 per cent. 3*s*. 2*d*.; 75 to 80 per cent. 3*s*.; and 70 to 75 per cent. 2*s*. 10½*d*. c.i.f.

OIL, CASTOR, is easier. Hull make of first pressing is offered at 28*l*. 15*s*. per ton in barrels for June-December delivery, free on wharf London. Belgian make is 29*l*. 10*s*. of first pressing for prompt delivery, ex wharf London.

OIL, COD-LIVER, is quiet but firm, at from 101*s*. 6*d*. to 105*s*. per barrel c.i.f. London for good brands of Norwegian oil. Comparatively little interest will now be shown in this drug until the autumn.

Our Bergen correspondent writes on June 6 that the Finmarken cod-fishing during the past week was again better, but very uneven, being insignificant in some places and very satisfactory in others. The number of boats taking part is now rapidly decreasing. The statistics give the following figures for—

Finmarken.			
	1908	1909	1910
Catch of cod (millions) ...	10.7	14.8	18.6
Yield of cod-liver oil (hect.) ...	8,800	7,100	11,250
Livers for "raw" oils (hect.)...	13,800	16,700	8,000

For the Whole Country.

	1908	1909	1910
Catch of cod (millions) ...	44.5	53.8	52.5
Yield of cod-liver oil (barrels) ...	47,600	41,300	33,500
Livers for "raw" oils (hect.)...	22,600	27,000	16,800

The market tendency is very quiet, but rather firm, as holders are unwilling to accept bids below 103*s*. 6*d*. c.i.f. for finest

non-congealing Lofoten oil. The exports from Bergen up to date amount to 4,350 barrels, against 5,850 barrels at the same date of 1909.

OIL, LEMON.—An advice from Sicily, dated June 4, states that the market has remained firm, although there is an absence of demand from abroad. Local dealers and speculators continue to show great interest, and as the pressing season is now over they are enabled to sustain the market without difficulty, although very little business is being done. For shipment from 3s. 4d. to 3s. 6d. per lb. c.i.f. is quoted.

OILS (FIXED).—*Linseed* on balance is lower at 32s. 3d. on the spot in pipes and at 32s. 6d. in barrels. *Coconut* is firm at 43s. for Ceylon on the spot and at 49s. for Cochin. *Cottonseed* is quoted at 30s. 6d. for crude, at 28s. 6d. for ordinary pale refined, and at 35s. for sweet refined. *Soya* is 3d. easier on the week, the spot value being 25s. 9d. for naked. *Rape* oil has declined to 24s. for ordinary brown crude, to 26s. for English refined in casks, and 24s. for Jamba. *Lagos Palm* oil is unaltered at 31s., Liverpool being slightly firmer at 29s. 9d. *Petroleum* is nominal at 5½d. for Russian, 6d. to 6½d. for American, and 7d. to 7½d. for waterwhite on the spot. *Turpentine* oil has met with only slight fluctuations during the week, and on balance the market closes firm but unaltered at 42s. 9d. for American on the spot.

OLIBANUM.—Small sales have been made of ordinary drop at 40s. and ordinary siftings at 17s. per cwt.

OPIMUM.—There is practically nothing doing on the spot and prices are quite nominal, everybody awaiting the outcome of the crop.

During the last ten days (writes a Smyrna correspondent on June 1) the market has been stagnant, this being due to holders who have been refusing concessions, and are now embarrassed as the new crop promises well in every respect. It has rained incessantly during the last few days, but this has done much good on the high plateaux, and the prospects in the Karahissar districts, from which the largest portion of the crop is derived, are excellent. At the same time, and in spite of the good news, one must not expect very low prices to begin with, as buying has already begun in some quarters at 100 piastres, first cost, which with expenses and waste is equal to 110 piastres, or 34.75 francs, or 27.75 m., or 12s., for quality far from superior. An estimate of the crops anticipated may be given as follows: Smyrna 4,000, Constantinople 3,500, and Salonica 2,000, say about 9,500 cases.

Writing on June 2, a Smyrna correspondent states that this week a basket of new crop arrived from the Smyrna districts; it proved poor in morphine content, this being due to the continued rains of the last twenty days. Now that new opium has arrived one is enabled to gauge the extent of last year's crop from June 1, 1909, to May 31, 1910, as follows:

Arrivals in Smyrna (baskets)	1,953
Arrivals in Constantinople (baskets)	2,467
Salonica crop (baskets)	600
	5,020
Deduct parcels that have changed hands twice, from Smyrna to Constantinople and <i>vice versa</i>	150
Deduct difference of small parcels in weight in order to fill ordinary weight	120
	4,750

There remains in Smyrna only 140 baskets of various weights and qualities, so that if an order for 100 cases was received it would be impossible to execute it from the remaining stock. Letters received from Salonica and Constantinople state that it is raining constantly, and as the harvest is now on, both quality and quantity must suffer. Reviewing the month of May a Smyrna report states the sales amounted to 110 cases at 14s. 3d. to 16s. 6d., chiefly for the Dutch E.I. Government, which quarter has not bought at this season for a considerable number of years. . . . Everything so far has been satisfactory, although in some localities the rains have washed away part of the gum. It is to be hoped that wet weather will not continue much longer, in which case the yield will be a record. The stock which for the first time has been so reduced amounts to 177 cases, against 1,009 cases, and in Constantinople to 23 against 94 cases.

"In connection with the assistance now being given to China in its anti-opium campaign by the reduction of the preparation in, and export of opium from India, it is of interest to note" (says the British Consul at Bunder Abbas) "that China has this year taken the whole of the opium ex-

ported from that port, in spite of its increased price. She last year took 109 cases, valued at 6,057l.; she has this year taken 138 cases, valued at 10,035l."

Another advice from Smyrna dated June 2 states that "We have had very frequent rain during May. The poppies in the upper districts have benefited, but in the surroundings of Smyrna, where the gathering commenced a week or so ago, the rain has done some harm. However, considering the importance of the crop in view the damage is insignificant. But as the gathering will soon be general fine weather is much wanted. The crop prospects continue to be very promising. The final result, however, depends on the yield, which can show great differences according to the weather that prevails during the gathering. Two baskets new crop have arrived on our market and show a poor quality, which is no criterion for the quality of the year, as these early districts usually produce inferior qualities."

ORRIS.—Mogador is obtainable at 30s. spot. Florentine is firm and somewhat scarce, selected being worth 47s. 6d. spot.

OTTO OF ROSE.—The rose harvest is progressing very slowly as the weather continues exceptionally cool, rainy, and cloudy. May was the coolest month on record. June also promises to be unusually cool. This weather will certainly protract the harvesting of the crop fully a whole month. During the last five to six days the rose bushes in the low lands have sustained considerable damage from "scalding" and "scorching," caused by continual transient warm showers, immediately succeeded by short spells of hot sunshine. The rapid evaporation following has scorched the rose leaves and scalded the young rose buds in many places, where the land is low. This may prevent the crop from being a record crop, but if the present cool weather keeps up the crop is bound to be greatly in excess of the average. The yield of otto this year is very rich, being the largest on record. While last year the yield of 1 oz. of otto was from about 240 lb. of rose flowers, this year it is only from about 170 lb. of rose flowers. This is what will make the crop a rich one, if the weather continues propitious.

PAIREIRA BRAVA has been in good demand, and the market has been almost cleared.

PEPPER (BLACK).—At auction 180 bags of Tellicherry were bought in at from 4d. to 4½d. Privately the market for Singapore is firm, but quiet, the value on spot being 4½d. for fair. For arrival the sales include August-October shipment at 3½d. c.i.f. d.w., also June-July shipment to New York at 3½d.

PEPPER (WHITE).—At auction 61 cases and 115 bags Singapore were bought in at 8½d. for good bold washed, and at from 6½d. to 7½d. for dullish to fair. Privately fair Singapore is quoted on the spot at 6½d., and the arrival market is firm, with buyers in practically all positions at 6½d. c.i.f. d.w.

QUICKSILVER.—Steady at 8l. 15s. per bottle from first hands, and 8l. 12s. 6d. in second hands, which price has been paid.

SARSAPARILLA.—Some 12 bales red native have arrived, but no grey Jamaica or Lima.

SENEGA.—Spot is obtainable at 2s. 3d. per lb. net, and to arrive, prices are also easier at 2s. 3d. c.i.f.

SERPENTARY.—The spot price is from 2s. 4d. to 2s. 5d. net, and for shipment, quotations are from 2s. 3d. to 2s. 6d. c.i.f., according to holder.

SHELLAC.—At auction on Tuesday 570 cases were offered and 314 sold, mostly without reserve, at a decline of 1s. to 2s. Very fine strong curly lemon orange sold 93s., good bright free 80s. to 82s., good second orange 75s., fair bright reddish broken free at 73s., TN. fair small free 67s. to 69s., matted to blocky 67s. to 63s., common small dark matted to blocky at 58s., bronze free 71s. to 72s., good free AC Garnet 67s., slightly cakey to cakey at 65s. to 67s., GAL cakey 60s., dark glassy free Burton 44., common dark free fourths 42s. per cwt. Privately the market is quiet, fair TN orange being easier on the spot at 72s., and for arrival 76s. c.i.f. is quoted for October-December shipment. Futures, after being steady, close easier, the sales including June delivery at 72s. 6d., August 74s. to 75s., October 75s., December 77s. to 76s., and March (1911) 79s. 6d.

SODA NITRATE is easier at from 9*l.* 17*s.* 6*d.* to 10*l.* per ton for refined on the spot, and 9*l.* 10*s.* for ordinary.

TONKA BEANS.—In sympathy with the advance in the U.S.A., the few spot holders of Angostura now ask 6*s.* 10*d.* to 7*s.* per lb.

WAX, CARNAUBA.—Waxy grey continues scarce at 125*s.* to 127*s.* 6*d.* per cwt. spot.

Manchester Chemical-market.

June 7.

The spot inquiry for heavy chemicals has been quiet. Caustic soda, high strength, is in fair demand, but bicarbonate of soda moves slowly. Sulphate of copper continues to rule against buyers. For prompt delivery the price here is about 18*l.* to 18*l.* 10*s.* per ton for best brands. For good merchantable the figure is 18*l.* per ton August-September, and for the early months of next year 18*l.* 15*s.* to 19*l.* Flowers of sulphur in 2-cwt. kegs or bags is 7*l.* 5*s.*, roll in 3-cwt. barrels 6*l.* 5*s.*, and in 3-cwt. bags 5*l.* 5*s.*, all on rails at maker's works. American grey acetate of lime is unchanged at 10*l.*, and brown 6*l.* 17*s.* 6*d.* per ton, both on c.i.f. terms. Brown sugar of lead is scarce on spot and nominally 22*l.* per ton. Foreign white is slow at 22*l.* 10*s.* to 22*l.* 15*s.* White powdered arsenic dull. Yellow prussiate of potash is quoted 4*l.* 4*d.* per lb., and soda 2*l.* 4*d.* per lb. Caustic and carbonate of potash in fairly good request and firm. In coal-tar products there is no new feature to note, except that sulphate of ammonia is on the down-grade. Benzols steady. Sulphate of ammonia is 11*l.* 5*s.* to 11*l.* 6*s.* 3*d.* per ton on rails Manchester.

Heavy Chemicals.

There is a very fair all-round business being done in the heavy-chemical market, and the general tone is steady. Demand both for prompt and forward seems better, and exports, generally speaking, stand well, and bleaching-powder, caustic soda, saltcake, and ammonia alkali may be specially referred to in this connection. Values rule steady at well-maintained figures, and present indications do not point to material fluctuations.

SULPHATE OF AMMONIA continues dull at nominally unchanged figures, probably largely due to the fact of the necessity of covering sales previously made. Forward business continues small, owing to divergence between the views of buyers and sellers regarding prices. Present nearest figures are: Beckton prompt, 11*l.* 17*s.* 6*d.*; Beckton terms, 11*l.* 10*s.*; London, 11*l.* 10*s.*; Leith, 11*l.* 17*s.* 6*d.*; Hull, 11*l.* 12*s.* 6*d.* to 11*l.* 15*s.*; and Liverpool, 11*l.* 15*s.*

BENZOLS continue to move steadily, and there is a very fair inquiry for forward delivery: 90 per cent. now stands at 8*d.* to 8½*d.*, and 50 per cent. at 9*d.* to 9½*d.*, according to market.

LEAD-PRODUCTS are in somewhat better demand and slightly firmer. White lead, 16*l.*, and red lead, 15*l.* 5*s.* per ton Tyne. White acetate of lead, 23*l.* to 23*l.* 5*s.*; brown acetate of lead, 21*l.* to 21*l.* 5*s.*; nitrate of lead, 25*l.* 15*s.* to 26*l.*, all per ton, less 2½ per cent. Glasgow.

MAGNESIUM SALTS call for little special comment, there being a fair average demand at unchanged rates. Sulphate, 62*s.* 6*d.* to 65*s.* per ton; chloride, 67*s.* 6*d.* to 70*s.* per ton; and carbonate, 30*s.* to 35*s.* per cwt.

ZINC SALTS continue to move quietly at unaltered figures. Zinc-sulphate crystals, 6*l.* 15*s.* to 7*l.* per ton, and zinc-chloride solution, 100° Tw., 6*l.* to 6*l.* 5*s.* per ton.

Java Government Cinchona.

A correspondent of the "Java Bode" writes to "De Indische Mercur" from Bandung as follows: "The Government Director of Agriculture is expected here on his way to the Government cinchona-undertaking at Tjintiroean, in connection with the scheme for the realisation of which Mr. Van Leersum has left for Europe. The Bandung Quinine-works are still waiting to make an arrangement with the Government for the manufacture of quinine and quinine tablets."

Ceylon Citronella Oil.

In further reference to the proposed revision of the test for Ceylon citronella oil, the "London Commercial Record" in its issue of June 4 states that the fact that large shipments on the part of one of the leading shippers have passed the Schimmel test without the slightest difficulty has greatly altered the aspect of the position in regard to any proposed alteration of the standard-test. Buyers maintain that if these shippers are able to ship within the stipulated guarantee there should be no difficulty in other shippers doing likewise. The suggested new basis of contract, says the "Record," has not met with the approval of the trade, and no headway has so far been made. In short, from all they gather, no difference in the existing contract is likely to be made.

Réunion Essential Oils.

The British Consul at Réunion, in his report for 1909, draws attention to several essential oils, including champaca oil, the distillation of which from the flowers has been experimentally tried in Réunion. He states that the product is very difficult to distil, 1 kilo. of flowers yielding only 1.25 gram of o.i., or a proportion of only 1 unit of oil for 800 units of flowers. The price of the finest oil, he adds, varies between 100*l.* and 120*l.* per kilo., but the Réunion product only realised 52*l.* per kilo. last year. Parry, in his work on "Essential Oils" (p. 466), states that true champaca oil is distilled from the flowers of *Michelia Champaca*, cultivated and also found wild in the Himalayas, the Nilghiris, Travancore, Java, and the Philippines. The oil is known as yellow champaca, while that from *Michelia longifolia* is known as white champaca. A Java distillate of pale-yellow oil resembled in a degree orris oil in odour. As regards ylang-ylang oil, the Consul states that over-production has again sent the price down by no less than 6*l.* per kilo., in addition to which "very large plantations of ylang-ylang have lately been started in the Comoro Islands," and it is believed that when these come into bearing prices will fall much lower than they are at present. The exports and the average prices realised have been as follows: 1907, 1,164 lb. (20*l.* per kilo.); 1908, 2,477 lb. (18*l.*); and 1909, 3,982 lb. (12*l.*). The price of Réunion geranium oil last year varied between 22*l.* (17*s.* 6*d.*) and 25*l.* (1*l.*) per kilo. The syndicate of geranium-planters at the time of writing the report were refusing to sell, owing to the small stock on hand—viz., 4,000 kilos. (8,800 lb.)—and the reduction in the quantity of African distilled. The exports during the past four years have been as follows: 1906, 32 tons; 1907, 31 tons; 1908, 34 tons; and 1909, 57 tons. The average price of the oil of vetiver distilled was about 1*l.* per kilo., and the output was more—viz., 1,810 kilos., against 1,210 kilos. in 1908 and 1,928 kilos. in 1907.

This Year's Pictures.

By a Philistine.

"A VERY, very average Academy, my dear," said the Lady in the Lorgnette, the Cartwheel Hat, and the Tube Gown to her friend on the steps at Burlington House. "Nothing re-ah-ly exciting whatever, don't you know."

I had not been inside then, but on coming out two or three hours later I was constrained to admit that the Lady was not far wrong. There are few things in the eleven galleries of oils, among the water-colours, or the black-and-whites to capture the imagination. The picture of greatest pharmaceutical interest is that of "Richard Atkinson Robinson, Esq." (189), by the late Sir W. Q. Orchardson. This is the presentation portrait of the popular pharmacist and past-President of the Pharmaceutical Society in commemoration of Mr. Robinson's chairmanship of the London County Council last year. It is almost the last work done by the late Royal Academician, and is a faithful though by no means a flattering likeness. "The Right Hon. Sir John Brunner, Bart., LL.D." (131), in his University robes, by Arthur Hacker, is a speaking likeness of the head of the well-known Northwick alkali business, while "Mrs. Alfred Mond" (263), by Oswald Birley, represents the other side of the partnership. Surgery has "Sir Henry Morris" (231), by Walter W. Outess, as its appropriate representative. There are two pictures, "Between the Showers" (125) and "A Winter's Evening" (481), by J. Coutts Michie, whose brother is a Kentish Town chemist. A rather striking oil in Gallery IX. shows "A Carrigreen Moss-gatherer" (613) at work; the artist is William H. Bartlett. Of the same genre is "Kelp-gatherers" (1,015), in the Water-colour Room, by J. Richard Bagshawe. Among the black-and-whites Kathleen E. Figgis (daughter of the well-known Mincing Lane broker) has two portraits (1,377 and 1,382), while "The Radium Institute, Riding House Street, Portland Place" (1,426), is exhibited by T. P. Figgis in the Architectural Room. There, also, are two exhibits by Sir Aston Webb (1,465 and 1,472), and "Chemical Laboratories' Office Block" (1,617), by Hart and Waterhouse, this being the new premises of Messrs. Fletcher, Fletcher & Co., Ltd., Holloway, N. Frank M. Taubman—erstwhile pharmacist, now sculptor—has a bust, "F. Derwent Wood, Esq., A." (1,685), in the Central Hall, while in the Lecture-room there is an exquisite silver plaque (1,839) by Alfred Drury of "Pearl Mary Teresa Craigie (John Oliver Hobbes)," the talented daughter of Mr. John Morgan Richards, whose too early death robbed English literature of an able exponent.

ALFRED THEODORE BEHREND (partner in Firminger & Co., 7 Mincing Lane, E.C.), colonial brokers and merchants) applied at the London Bankruptcy Court on Thursday, June 9, for his discharge. The firm failed in March 1893, with liabilities 5,208*l.* and assets which realised 644*l.* A dividend of 6*d.* in the pound was paid. Discharge was granted subject to a judgment for 500*l.* to be paid within a month.

Society of Chemical Industry.

London Section.

A MEETING was held at Burlington House, Piccadilly, W., on June 6, Dr. J. Lewkowitch in the chair.

THE LATE MR. CARTEIGHE.—The minutes of the previous meeting having been read, the Chairman said he regretted to announce that Mr. Michael Carteghe had died since the last meeting. Mr. Carteghe was not frequently at the meetings, as his interests were much more taken up with pharmaceutical chemistry. He was one of the original members of the Society, and as the ranks are rather rapidly thinning, it is fitting to mention those who pass away.

THE PRESIDENT'S VISIT.—Dr. Lewkowitch then announced that the President, Professor Ira Remsen, has arranged to be present at the annual meeting of the Society to be held in Glasgow. It is proposed to entertain the President in London before he visits Glasgow, for which purpose a dinner and smoking concert is to be held, to which all members of the section are invited.

FUEL CALORIMETRY.—Mr. G. Nevill Huntly was next called upon to read his paper on the "Accuracy obtainable in Fuel Calorimetry," in which he showed that owing to several approximate figures the accuracy of the figures given in British thermal units cannot be depended upon within two or three parts per thousand. One of the most interesting portions of the paper was that dealing with the accuracy of thermometers. The lecturer showed that the popular idea that greater accuracy is obtained with a finer capillary tube and larger number of divisions is fallacious. The capillarity errors are thereby increased and the number of the division marks renders accurate reading more difficult. To get absolute temperature with a thermometer seven corrections require to be made: (1) calibration, (2) external pressure, (3) internal pressure, (4) zero change, (5) value of degree, (6) stem correction, (7) reduction to hydrogen. The Kew certificates given with thermometers embody the various corrections in one factor.

PRODUCTION OF FORMIC ACID.—The next paper was by Mr. C. T. Kingzett and Mr. R. C. Woodcock, and dealt with "The Production of Formic Acid by the Atmospheric Oxidation of Turpentine." The paper was read by Mr. Kingzett, who said that many statements have been made in chemical literature as to the alleged production of formic acid from oil of turpentine by its atmospheric oxidation; but these references do not give any analytical figures satisfactorily establishing the identity of formic acid resulting as a direct product of the oxidation of turpentine. A considerable formation of crystalline matter was found in galvanised iron tanks used for the storage of air-oxidised Russian turpentine, and on making an examination of this body, which was of a dirty reddish-brown colour, it was found to consist of formate of zinc, associated with oxide of iron and other impurities. The precipitate was purified by extraction with boiling water, when the crystalline matter was readily dissolved, leaving the impurities behind. This crystalline matter was further purified by repeated recrystallisations, and found to consist of practically pure formate of zinc. Full details of the various analytical methods employed for the determination of the formic acid are given in the paper, and the results obtained were stated to be remarkably close to theory. When American or Russian turpentine is oxidised in the presence of water the aqueous solution reveals an increasing acidity during the process, owing to the formation of formic and acetic acids, and it was found, when experimenting with Russian turpentine, that the acidity in the water solution gave 0.0527 gram of formic acid in 100 c.c. of water and 0.2436 gram of acetic acid in 100 c.c. of water. Samples of commercial American, Swedish, and Russian turpentines were placed in test glasses, and zinc foil was suspended above the turpentine, and the vessels then covered with watch-glasses, when it was found that after several weeks practically no action had taken place; but on repeating the experiment in the presence of aqueous vapour, the turpentine being placed in small beakers in test glasses surrounded with water and the zinc foil suspended, and the test glasses covered as before,

in a short time there was a decided action upon the foil, and it eventually became covered with a thin white incrustation, consisting of formate of zinc. Samples of the products were handed round. In reply to Mr. J. H. Coste, Mr. Kingzett said he had not observed any particular corrosive action of turpentine on zinc tanks except at the line of contact with the air, and at the bottom, where the aqueous layer forms.

ETHYL ALCOHOL SYNTHESIS.—The last paper, taken as read, was by Professor R. Meldola, in which the author has made a critical examination of the papers of Faraday (1825) and Hennell (1826-1828), in view of recent claims put forward on behalf of the late M. Berthelot. He has arrived at the conclusion that Hennell, who used sulphovinic acid prepared by Faraday, was really the first to produce alcohol synthetically from ethylene. This was by the hydrolysis of sulphovinic acid. Berthelot placed the synthesis upon a more strictly scientific foundation by producing ethylene by direct union of carbon and hydrogen through acetylene.

London Drug Statistics.

THE following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of May 1910, and to the stocks on May 31:

	May		Stocks		1910	
	Landed	Delivd.	1910	1909	Imprtd.	Delivd.
Aloes.....cs. etc.	266	140	967	425	1,357	783
".....gourds	—	—	1,574	291	1,366	1
Aniseed, star.....cs.	—	—	6,180	5,105	5,666	4,645
Arrowroot.....pkgs.	921	864	308	396	114	313
Balsams.....cks.	—	14	53	67	63	61
Calumba.....bgs.	—	5	1,420	475	3,791	5,050
Camphor.....pkgs.	752	736	1,924	1,218	2,248	2,090
Cardamoms.....	275	322	429	551	79	67
Cascara sagrada tons	10	12	5,001	4,822	2,717	2,439
Cinchona.....pkgs.	702	320	—	—	—	—
Cocculus indicus ..	—	81	539	843	331	307
Cochineal.....bgs.	66	6	64	82	77	24
Cubebs.....	43	6	114	70	107	122
Dragon's blood pkgs.	57	35	1,967	1,804	1,364	847
Galls.....	160	34	—	—	—	—
Gums—	—	—	4	13	2	2
Ammoniacum ..	—	67	442	388	664	575
Animi.....	174	583	2,215	5,967	2,333	4,355
Arabic.....	1,577	26	249	32	439	278
Asafetida.....	99	86	1,258	996	995	1,002
Benzoin.....	86	162	22,469	26,006	17,943	17,519
Copal.....	2,453	3,060	4,826	4,024	2,273	2,067
Damar.....	675	283	—	—	—	—
Galbanum ..	—	15	97	104	51	86
Gamboge.....	10	3	46	74	—	8
Guaiaacum ..	—	49	321	357	163	202
Kauri... tons net	6	2	35	91	34	18
Kino.....pkgs.	—	5	35	19	—	—
Mastic.....	5	6	339	351	253	166
Myrrh, E.I....	68	39	181	826	286	326
Olibanum ..	54	118	513	657	665	474
Sandarac.....	96	83	5,227	6,129	7,256	5,023
Tragacanth....	1,162	1,319	1,259	506	3,460	2,834
Indiarubber... tons	644	352	—	—	—	—
Ipecacuanha—	—	—	—	—	—	—
Cartagena .. pkgs.	6	13	243	68	292	169
E.I.	—	—	7	3	1	38
Matto Grosso ..	—	22	26	68	10	86
Minas.....	3	1	31	8	50	19
Jalap.....bls.	5	11	9	3	53	61
Nuxvomica ..pkgs.	407	115	1,160	981	933	1,059
Oils—	—	—	—	—	—	—
Aniseed, star...cs.	—	—	13	54	30	43
†Cassia.....	65	78	34	103	85	103
Castor.....pkgs.	64	48	157	157	322	323
Cocunut.....tons	72	86	161	32	455	490
Olive.....pkgs.	623	370	1,831	2,283	2,615	1,991
Palm.....tons	—	1	3	5	—	—
Quinine.....lb.	5,012	6,065	220,700	207,782	41,113	25,574
Rhubarb.....cs.	7	111	428	604	267	420
Sarsaparilla ..bls.	100	89	519	336	417	376
Senna.....pkgs.	304	435	1,067	754	2,421	2,374
Thellac.....cs.	6,849	3,550	78,247	41,695	40,077	18,077
Turmeric.....tons	94	9	353	262	200	136
Wax—	—	—	—	—	—	—
Bees'.....pkgs.	583	222	1,411	1,635	1,899	2,194
Vegetable ..cs.	25	135	75	714	691	553

* Corrected.

† Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they are not recorded. Queries by subscribers on dispensing, legal, and miscellaneous subjects pertaining to pharmacy and its allied trades are replied to in these columns, if they are of general interest. Letters submitted to the Editor for publication (if suitable) should be written on one side of the paper only. Their publication in the "C. & D." does not imply our agreement with the opinions of the writers.

Professor Rusby on Asafetida.

SIR,—In your issue of April 23 (p. 618), under the caption "Asafetida," you print certain alleged quotations of my utterances which are somewhat misleading to your readers. The articles which appeared in the "New York Times," and to which your quotations refer, were written by the editorial representative of that paper on the basis of interview. The "Times" is commendably careful in such matters, and I must say that its treatment of the interview was very good; yet the style and expressions of a daily newspaper are not those of the professional man, and are not always expressive of that "complacency" for which you yearn. Moreover, your quotations are taken from quotations, and so far as I know these may have been taken from others, so that some of them did not appear in the original article. For example, after referring to recent shipments of asafetida, I did not say "of course" to create the impression, etc., but that it suggested that question in one's mind. Again, in speaking of stocks of inferior drugs said to be held abroad, I made no reference to England, or to any of her markets, though I did refer to a statement published in the "Pharmaceutical Journal," by Mr. E. M. Holmes, to the effect that the rejection of unfit drugs in America was increasing the pressure of such goods into British commerce, and that extra care should be taken to guard against them. From one point of view you might regard these as minor differences, yet they are just sufficient to give to the quotations a greater flavour of sensationalism than existed in the actual statement. The situation itself is not quite free from sensational features, and these must be reflected in any faithful presentation of the case. We have, upon the one hand, a group of medical men who are clamouring for the exclusion from the Pharmacopœia of all articles the therapeutical value of which is not clearly demonstrable by rational therapeutics—that is, by animal experimentation—no matter how conclusive the clinical or empirical evidence may be or how generally the article may be used. On the other hand, our supply houses generally object to the establishment of standards for articles not in the Pharmacopœia or Formulary, the legal status of which latter is quite shaky. These gentlemen are generally actuated by no unworthy motive or wrong intent (though there are some very notable exceptions to this statement), but this fact does not detract in the least from the evil results of the absence of such standards. One cannot desire to see the public danger involved in these two propositions minimised, and yet he may very properly object to being placed in the position of having represented them as worse than they really are. As to asafetida, may I inquire whether it is any worse for a pure article to cost six shillings than for one that is 50 per cent. adulterant to cost three shillings?

Very truly yours,

H. H. RUSBY.

Forest Hill, Newark, N.J., May 18.

[We are with Professor Rusby entirely in insistence of the best obtainable asafetida being prescribed for medicinal purposes, but asafetida is also used for condimental purposes, and the legitimate demand for a stony article is not satisfied by the U.S.A. Customs authorities. Should it not be met?—EDITOR C. & D.]

Trade with Finland and British Protests.

SIR,—In the "Daily Telegraph" of April 29 the special correspondent of that paper in St. Petersburg expressed his regret in an article on the above question that certain Chambers of Commerce in England moved in this delicate matter wholly without grounds. In this connection I would like to make the following statement:

The Russo-Finnish Imperial Legislation Bill, provided it became law, would not only affect tariff matters, but would also lead to other unfortunate results. The mistake is not on the part of the British Chambers of Commerce. In matters of public education, public meetings and societies, Press laws (censorship), public health, etc., Finland has its own Finnish laws, and the Russian Government cannot move without subjecting Finland to Imperial Russian legislation. If it were possible for the Russian Government to effect changes in these laws, it would have long ago made its action felt in Finland. It is just for this reason that the Russo-Finnish Imperial Legislation Bill has now been introduced in the Duma. Provided this Bill is passed, the Russian Government will propose changes to be made in the various internal matters of Finland, which are at present subject to Finnish laws. As a matter of fact, the Committee that has been appointed by the Duma to look into this very question has already had under discussion the question of changing the Finnish laws pertaining to public education, public meetings and societies, and the Press; but two of the members of this Committee—namely, M. J. Kapustin (Professor of Hygiene) and W. K. von Anrep (Professor of Medicine) have protested against the modification of such laws at the present moment. From this it would follow that, once Finland is subjected to Imperial Russian legislation, very much more than one "iota" in Finnish laws would be changed. In Paragraph I. of the project we find that Finland is to participate (proportionately) in the expenses of the Empire. The outcome of this proviso will naturally lead to the introduction of high income-taxes, not to speak of the establishment in Finland of the same high Customs-duties as exist in Russia itself.

Let us see how these changes will affect British trade. I am interested in the pharmaceutical business, and therefore I must see whether and how this branch of industry is to gain or lose by Imperial Russian legislation being introduced into Finland, which, as said before, means eventual change of internal laws. At the present moment we can export to Finland all British and other foreign pharmaceuticals, practically speaking, free of duty (on certain pharmaceutical products there is a very small duty), and, what is still more important, without having to apply to the Finnish Government for any permit for these products to enter the country. In accordance with the laws of Russia, however, a permit has to be obtained from the Medical Council in St. Petersburg for every pharmaceutical product before it can enter Russia, and as about ninety-five products out of a hundred are not allowed to be introduced into the country, every manufacturer of pharmaceuticals can imagine the meaning of such laws. Provided that a product is permitted to enter the country, a duty of 24r. per 36 lb. (English weight), package inclusive (the glass containers weigh in the majority of cases more than the product itself), is charged by the Russian Government. If Finland is subjected to Imperial Russian legislation the British trade in pharmaceuticals will receive a heavy blow. This blow is foreseen and felt by the various Chambers of Commerce in Great Britain, and therefore there is nothing surprising in their having moved in this matter. If the St. Petersburg correspondent of the "Daily Telegraph" had had his interests at stake, as is the case with every business man dealing with Finland, he would have understood the anxiety of those who have dealt with Finland for years, and who have found the Finns the most honest population of the entire Russian Empire. To characterise the honesty of the Finnish nation I need only mention that until about fifteen to twenty years ago it was possible to leave in the streets of Finland an article of value without the same being touched by anybody. It is only since the influx of the Russian element into the country that it has become necessary to lock the gates of yards where linen is put out to

dry. I should not like to be misunderstood: I am not entering into the question as to whether it was prudent or not for certain British Chambers of Commerce or members of the House of Commons to pass resolutions or to send protests to the Russian Government. This is a question of such legal complication that even specialists in international law all over the world have not yet decided as to whether the Russian Government has the right to subject Finland to Imperial Russian legislation. Judging matters from a practical point of view, however, it is beyond doubt that the entire world, viewing the matter, as it always does, from the humanitarian standpoint, sides with Finland, where civilisation stands on a higher level than in Russia. Under these circumstances, even if illegal and imprudent, I cannot blame those Britishers who had the pluck to freely express their minds, and thus show their sympathy with a gallant little nation like the Finns in their struggle to prevent themselves from being involved in the retrogressive policy of Russia.

Yours faithfully,

D. A. RUFFMANN.

St. Petersburg, May 13/26.

Time of Thermometers.

SIR.—What is a half-minute thermometer?—or a one-minute or two-minute thermometer? Did any living being ever know a clinical thermometer to register a temperature accurately in thirty seconds? I handle them every day of my life, and many times a day, but find that a half-minute thermometer wants about ninety seconds, a one-minute one two to three minutes, and the alleged three-minute thing about five minutes. What do the manufacturers say? Is it not time to standardise?

Yours truly,

Dublin, June 4.

J. C. MCWALTER.

Subscribers' Symposium.

(Information Solicited or Supplied.)

The Fox-terrier.

Re your reply to "W. G. Y." (171/27). It looks like a case of over-feeding, and I would advise to give the dog castor oil 5j. and put him on half-rations, giving very little flesh food.—*Fancier*. (188/11.)

Old May Day.

Thanks for very full reply to my query (169/59) re "Old May Day." It has made the working of the "change of style" much clearer to me (maintaining meanwhile the absolute reliability of all C. & D. statements). I was not aware the difference between the two days May 1 O.S. and N.S. had increased since the style was altered; still, I might have seen my reckoning was faulty on the assumption they remained the same. What caused me to notice the day is that when people complain about the weather we usually have in the first week or so of May, I have been accustomed to tell them that for Old May weather they must wait for Old May Day (so with Christmas also). I remember Professor Bentley's occasional somewhat satirical welcome to his class in the museum of the Royal Horticultural Society's Gardens, Regent's Park: "Well, gentlemen, here are the specimens, if you can see them this 'bright May Day'!"—*Rus*. (181/16.)

Legal Queries.

Consult the legal information in "The Chemists' and Druggists Diary," 1910 before writing about your difficulty.

W. H. (187/24).—Only registered chemists and companies carrying on business as such in accordance with the 1908 Act may sell medicated wines without a wine-licence. See our *Diary*, p. 239 (20).

Tonic (190/10).—Show the local Customs and Excise supervisor your indentures, so that he and his officers may not worry you about known, admitted, and approved remedies. A qualified *locum* who sells poisons in the shop of an unqualified person renders the latter liable to prosecution for keeping open for and selling poisons.

Ferrum (190/20).—(1) The medical curriculum at all colleges is at least five academic years in duration. See our last Educational Number. (2) "Lin. sapon. co." is lin. saponis, not lin. opii. (3) When "aspirin" is ordered or asked for aspirin must be supplied, not any make of acetylsalicylic acid that the seller fancies.

R. L. (188/59).—The landlord is not compelled to refund inhabited-house duty unless there is a special agreement to that effect. The income-tax of 1s. 2d. per pound under Schedule A, payable at the same time as the house-duty, should be deducted by the tenant from the rent next paid, the Inland Revenue receipt being submitted to the landlord. The landlord is bound to allow this, and any agreement to the contrary is null and void.

Velox (186/47) writes: "Notwithstanding the fact that a retailer was fined 5l. a short time ago for selling spurious turpentine, the market is still flooded with a quantity of turpentine substitute. The label on the bottle is 'Specially prepared household turpentine.' Can retailers sell these without fear of prosecution?" [No; prosecution may be instituted under the Merchandise-marks Acts or the Sale of Food and Drugs Acts.]

Susscx (189/36).—The lawyer who has advised you that a person not registered under the Dentists Act can use the word "Dentistry" is probably right, for the House of Lords in their recent decisions in two cases agreed with the Scotch Judges in *Emslie v. Paterson*, where the descriptions used were "American dentistry" and "dental office." The House of Lords, however, had not before them the use of these descriptions. The word "dentistry" is apparently on all fours with the word "pharmacy" used in respect to a drug-store by an unqualified person.

Caution (189/66) puts the following queries: (1) An unregistered man takes a drug-store. He having been for some years an analytical assistant, is he entitled to print his labels "A. B., Analytical Chemist, etc.," without rendering himself liable? [No.] (2) Is the aforesaid unregistered man allowed to sell patent medicines containing scheduled poisons? The preparation in point is Rankin's ointment. [No; only medicines which are the subject of letters patent actually in force, and containing poison, are exempt from the conditions of Section 15 of the 1868 Act, and there are none such.]

South (189/67).—If the weed-killer which you refer to is a poisonous preparation—say, of arsenic—a gardener must be assumed to be a retail dealer before a wholesale house can sell to him on wholesale conditions, and that is doubtful. If the gardener is licensed under the 1908 Act, he is a retail dealer within the meaning of the Arsenic Act as well as the Pharmacy Acts, but if not, he would probably be regarded in the courts as a retail purchaser, and the wholesale house, if qualified, can only sell to him on retail conditions, as set forth in Section 17 of the Pharmacy Act, 1868, and of Section 1 of the Arsenic Act, 1851, if the weed-killer is a substance within the meaning of Section 6 of the latter Act.

W. H. R. (63/19).—(1) The tonic-label does not make the preparation liable. The sentence in the wrapper, "Stimulates both the stomach, liver, and kidneys," indicates the action of the remedy on these parts of the body, and the Revenue authorities hold such references to be within the charge of duty. "The original and genuine" is also regarded as a claim to proprietary right, etc. (2) "Pure drugs, chemists' sundries, perfumery, toilet-requisites, etc.," may or may not constitute an infringement of Section 15 of the Pharmacy Act, 1868. Sooner or later the question "What is a chemist's business?" referred to in the Poisons and Pharmacy Act, will be submitted to a court of law, and the use by an unregistered person of such a phrase as "chemists' sundries" would be serviceable as evidence that he was carrying on a chemist's business.

Off-licence (188/45) writes: "We should like to have your opinion with regard to the interpretation of some sections of the new Finance Act as to the duties payable on retail 'off' wine and spirit licences. In our case our annual value exceeds 100l. Therefore apparently the annual off-licence for spirit is 19l. But in the Finance Act, paragraph 2, Section 45, reduction of duties is made in the case of hotels and restaurants, and it proceeds that if 'it is shown to the satisfaction of the Commissioners that the receipts from the sale of intoxicating liquors were in the preceding year less in the case of a restaurant than two-fifths, and in the case of any other premises less than one-third of the total receipts in that year from the business of all descriptions carried on by the licence-holder in the premises, the duty payable under this Act in respect of the licence shall, subject to a minimum, be a reduced duty, bearing the same proportion to the full duty payable as the receipts from the sale of intoxicating liquor bear to the total receipts.' Does this not mean:

Total receipts from all sources, say=600l.,

Receipts from sale of spirits, say=60l. (or one-tenth part),

Then one-tenth of 19l. (full duty)=duty payable (but subject to minimum)?

We have had some correspondence and interviews with our local supervisor of Excise and Customs, and he tells us the

'reduced duty' is only applicable to hotels and restaurants, and refers to 'on' licences only. What does it mean by the expression 'in the case of any other premises less than one-third of the total receipts in that year from the business of all descriptions carried on, etc.'? Where does it say the holder of an 'off' licence is excluded from the benefit of this proportionate reduction of duty? Surely the Government's idea is to tax us on our sales (in their crude, roundabout way) in a mixed business as ours, where our sales of spirits bear a small ratio to total turnover." [The first part of the section governs the whole, and it is: "Where in the case of any licensed premises which are structurally adapted to be used and *bona fide* used for the purpose of the reception of guests and travellers desirous to sleep in the premises, or which are licensed premises structurally adapted for use, and *bona fide* used as a restaurant . . . certain deductions are made." A chemist's shop is neither. "In the case of any other premises," etc., means any other mentioned in the section than a restaurant. Section 44 (1) provides that the annual value of any premises for the purposes of the licence-duty shall be determined as for the purpose of a publican's licence: thus, if a publican takes a shop which has hitherto been let at a rent, A, a year, its value is increased by B immediately it is licensed, and the annual value becomes A+B. The licence-duty is payable upon A+B. But Mr. Herbert Samuel stated in the House of Commons on September 3, 1909, that "the duty shall fall, not on the value of the premises, but on the value of the licence. . . The value of the licence is the difference between the premises licensed and the premises unlicensed." The italicised part is not supported by the Act, which makes it clear that "annual value of licensed premises" and "annual licence value" are two different things, the former being the amount upon which the duty is payable, and the latter the amount upon which compensation is calculated. It is only in respect to compensation that the section provides that "no increased value arising from profits not derived from the sale of intoxicating liquor shall be taken into consideration." In practice we expect that in the case of chemists' shops licensed for the sale of wines the rateable value of the premises will be taken as the annual value for licence-duty.]

Miscellaneous Inquiries.

As we do not in this section repeat information given during the past twelve months, inquirers should refer to the copies mentioned. Back numbers for the past five years can generally be obtained from our office at the published prices.

Screw (150/44).—(1) REMOVING PRINTERS' INK.—Printing cannot be readily removed from paper. The methods that are used involve the employment of solvents for the printing-ink base, such as turpentine and spirit, but as a rule the ink has become so embedded in the fibre of the paper that the carbon particles cannot be removed without destroying the surface of the paper. In the case of the valuable work from which it is desired to remove stampings done with printing-ink, you should explain the matter to your customer, but yourself avoid taking the risks of operating on a book which your customer regards as costly. (2) SCOUR IN CALVES:

Powdered catechu	...	...	4 oz.
Prepared chalk	...	...	4 oz.
Powdered ginger	...	...	1 oz.
Oil of peppermint	...	...	2 dr.
Rice starch	...	...	2 oz.
Powdered liquorice	...	...	5 oz.

Mix.

One tablespoonful to be gradually mixed with half-a-pint of boiling water to form a gruel. This dose to be given every four hours as required.

W. B. (156/25).—HONEY FERMENTATION.—We do not know that Californian honey is more prone to ferment than English honey, but the tendency depends upon the purity of the honey, as well as the temperature at which it is stored. There was a note some years ago in the *C. & D.* in which it was shown that if honey is too pure it does not readily ferment, owing to the absence of sufficient quantities of nitrogenous and mineral matters. This is a real difficulty in preparing mead, but is readily overcome by adding traces of ammonium salts and the sulphates and phosphates of potassium, magnesium, and calcium, which act as a food to the yeast-cells. It has been suggested that all honey naturally contains traces of formic acid, which tend to preserve it from fermentation.

F. B. (175/27).—LEMONADE POWDERS.—See *C. & D.*, July 24, 1909, p. 134. Thanks for "At the Counter" contribution.

P. D. R. (158/3).—(1) SPICED-VINEGAR ESSENCE.—The essence, the formula for which was given in the *C. & D.*, April 30, p. 684, should be added to vinegar in the proportion of one tablespoonful to the gallon. (2) STAVESACRE is not of itself a scheduled poison, but admixtures or preparations of stavesacre

contain poisonous vegetable alkaloids, and in consequence may be in Part 2 of the Poisons Schedule.

Desirous (179/15).—NON-METALLIC HAIR-DYES.—These generally consist of pyrogallol and other similar organic substances. There is no book published on the subject of hair-dyes, but ample information is given in "Pharmaceutical Formulas."

Nemo (153/25).—CYCLE ENAMEL.—The following are two representative formulae:

	1.	2.
Button lac	60 lb.	56 lb.
Pale sandarac	20 lb.	—
Manilla copal	—	1 cwt.
Resin	—	84 lb.
Castor oil	2 oz.	—
Nigrosine black	3 lb.	7 lb.
Sudan G.	4 oz.	4 oz.
Industrial spirit	20 gals.	45 gals.

The stability of these enamels depends upon the number of coats and the care bestowed in the stoving process. This was explained in the *Chemists' and Druggists' Diary*, 1908, p. 214.

Nux (185/26) is in a country business, has passed the Preliminary examination, and wants to know how he should commence to study. He will find good advice in the last Educational Issue of the *C. & D.* So far as pharmacy generally is concerned, his best plan is to become quite familiar with the British Pharmacopoeia, using Southall's "Materia Medica" to help with information as to the sources and properties of drugs. If there are local science classes, botany and chemistry should be taken at them, otherwise read the small books published by Dent on botany and chemistry. "Nux" also wants to know if he should remain in the country business, where there is less than a score of prescriptions dispensed per week. Decidedly, remain there. The varied work of a country business affords the best apprenticeship training.

W. J. B. (178/30).—BEE-DISEASE.—The so-called "Isle of Wight Bee-disease" appears to be identical with the "Maikrankheit" of the Germans and the "mal de mai" or "vertige" of French bee-keepers. Old English writers on apiculture refer to a similar disease as "vertigo." It appears to be caused by an organism infesting the intestinal duct of the adult bees. The bees leave the hive in considerable numbers, run about upon the ground making vain efforts to fly, and towards the evening collect in small clusters, most of the bees in which are found dead in the morning. On opening the body the intestines will be found greatly distended with pollen residues and other food remains. The brood does not appear to be affected; but, owing to the death of the adult foragers, the stock may ultimately succumb to starvation, and this is frequently given as the cause of the loss of stocks by those who are not familiar with the disease. Large numbers of bees have succumbed, not only in the Isle of Wight, but in various other places, especially in the neighbourhood of Guildford and Haslemere. No cure for the disease is known. J. L. Christ, a German writer, who mentions it as "Tollkrankheit" in 1783, recommends feeding the bees with honey mixed with good old wine. As the bees are unable to gather honey for themselves, feeding is advisable in all cases where stores are running low in the hive. Mr. W. F. Reid, Vice-Chairman of the British Bee-keepers' Association, has obtained favourable results by feeding with dilute honey to which a culture of the Massol bacillus had been added. In regard to your suggestion that the spraying of fruit-trees may have something to do with the disease, there is only one spraying-solution in the market which bees will take, on account of the treacle which it contains, so that it is highly improbable that the paralysis observed can be due to spraying.

Our Retrospect.

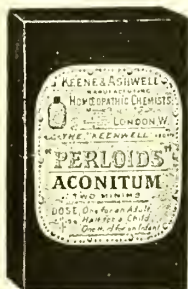
(From the "C. & D.," June 15, 1860.)

Arsenic-poisoning.

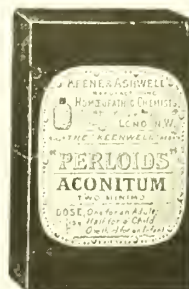
Mr. Samuel Wells, a farmer at Seagrave, a village about eight miles from Leicester, has been recently poisoned by arsenic, administered to him by a servant girl in some gruel. Two other persons who tasted the gruel had a narrow escape with their lives. An investigation took place on 16th May, before J. Gregory, Esq., coroner for the county of Leicester, when Mr. Joseph Goddard, pharmaceutical chemist, Leicester, stated that he had received jars containing part of the liver and intestines, with the stomach and its contents, of the deceased. He submitted them to a careful examination, and obtained abundant evidence of the presence of arsenic. The arsenic was proved to have been purchased from Messrs. Astill and Co., oil and colourmen, of Loughborough, and sold by them in an uncoloured state, contrary to the Act, which requires all quantities less than 10 lbs. to be mixed with indigo or soot. Proceedings have been commenced against Messrs. Astill and Co. for this infringement of the Act.

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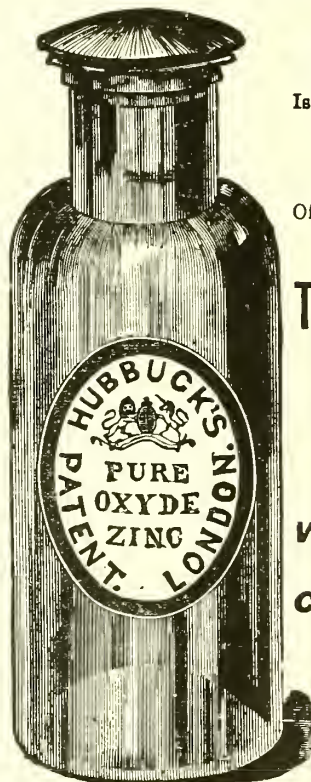
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Francisco.
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Unguentum Resinol is a skilfully made and chemically pure Ointment. Its therapeutic properties are decidedly healing, nutrient and antiseptic. The consistence and pliability of this ointment commend it especially as an application of exceptional merit in all eruptions and irritations of the skin. It is prescribed daily by leading physicians throughout the world for

**ECZEMA, HERPES, SEBORRHOEA, ERYTHEMA,
IMPETIGO, TINEA, ERUPTION OF POISON IVY,
PILES, BURNS, SORES AND MINOR WOUNDS,
AND ABRASIONS OF THE SKIN.**

It allays the itching of **PRURITUS ANI** instantaneously.

Its utility as a specific for this trouble is recognised by practitioners of every school and every nationality.

Resinol Soap, containing in a modified way the same medication, is most delightful for the toilet and bath, and is the only soap that should be used for bathing persons subject to, or affected by, skin troubles.

Resinol (medicated) Shaving Stick also contains the healing and antiseptic virtues that have made Resinol Ointment so famous. Its free, creamy lather soothes and prevents the irritation incident to shaving. It is a real luxury and comfort to self-shavers.

These preparations are for sale in all leading drug stores in every country of the world.

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Chloroform (Duncan). Manufactured from PURE BRITISH ALCOHOL

Ether Rect. 0.720 (Duncan).
Manufactured from PURE BRITISH ALCOHOL

Chloryl Anæsthetic (Duncan).
Syn. for Duncan's ABSOLUTE ETHYL CHLORIDE.

ALL THE ABOVE ARE **British Products** GUARANTEED TO BE
ABSOLUTELY PURE
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THEIR STANDARD QUALITY IS RECOGNISED.

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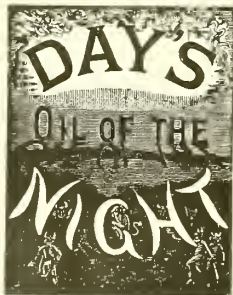
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Telegrams "Sturgeon, Birmingham."

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The great household Remedy for Chest Colds, Sore Throat, Rheumatism, Sciatica, & all aches & pains.

"A positive pain killer."—DR. GORDON STABLES, R.N.

Advertised Prices ... **1/1½** and **2/9** per bottle.

Trade Prices ... **10/-** and **25/-** per dozen.

CARRIAGE PAID.

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CONGREVE'S Balsamic ELIXIR

Is the oldest and still the most successful remedy for

CONSUMPTION,

Also for **ASTHMA, BRONCHITIS, COUGHS, COLDS,**

AND ALL AFFECTIONS OF THE LUNGS,

1s. 1½d., 2s. 9d., 4s. 6d. and 11s. Bottles.

Also **Dr. FLEMMING'S QUININE and CAMPHOR PILLS,** 1/1½, 2/9 and 4/6.

COUNTER BILLS, with Chemist's name and address printed thereon, will be sent carriage paid on application to the Proprietor.

G. T. CONGREVE, Coombe Lodge, **PECKHAM, LONDON, S.E.**



THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JUNE 11, 1910.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

A true saying will bear repetition. We repeat that it pays to pay for advertising in this Supplement.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

- 1.—KING'S CROSS STATION (Few Miles Out).—Death Vacancy; established Business; Retail, Dispensing, and Photographic; returns between £550 and £600; scope for development; immediate sale necessary; valuation of stock and fixtures will be accepted.
- 2.—MARBLE ARCH (Thirty Minutes from). Family, Retail, and Dispensing; returns between £1,750 and £1,800 per annum; profits above the average of retail trade; about 7,000 Prescriptions annually; nicely fitted shop, fully stocked; further details on application.
- 3.—VICTORIA STATION (Busy Thoroughfare).—Lock-up Pharmacy; returns £650; handsome Pharmacy; rent moderate; about the value of stock and fixtures will be accepted.
- 4.—CRYSTAL PALACE (Near).—Good-class Business, with P.O. attached; gross receipts over £1,000 per annum; net income £215 (proof given); good house; rent £65; price £720, or valuation terms entertained.
- 5.—SYDENHAM.—Dispensing and Retail, including small Optical connection; returns about £700 yearly; present rate less; terms, valuation of stock and fixtures.
- 6.—TOTTENHAM. — Old-established Business; Retail, Prescribing, and Optical; returns between £950 and £1,000; gross profit about 50 per cent.; rent £50; new lease if required; price £400.
- 7.—NORWOOD.—Light Retail, Dispensing, and Photographic; established 1841, returns £600, at fair prices; 6-roomed house; rent £36; to effect an early transfer £300 will be accepted.
- 8.—HOME COUNTY (Coast Town).—Good-class Business; Retail, Dispensing, and Photographic; position good; returns £947, increasing; net profit £224; lock-up shop; long lease; price £650.
- 9.—NORTH OF ENGLAND. —Mixed Business; capital situate in the centre of town; returns exceed £600 yearly; scope for large extension; price £475, less than the value of stock and fixtures.
- 10.—SOMERSET. — Old-established Business; situate in a small thriving town; returns £700 per annum; scope for development; net profit £200; excellent house, small garden; no serious opposition; price £500.
- 11.—WORCS.—Mixed Business; all good middle-class trading; returns average £1,300 per annum; gross profit one-third; modern premises, held on lease; price £1,000.
- 12.—HANTS. — Very old-established Business, chiefly ready money; returns last year £333, at good prices; vendor retiring; good opening for young energetic man; terms, valuation of stock and fixtures.
- 13.—EASTERN COUNTY.—Mixed Business, with Post Office attached; returns over £700 per annum; net income £250; rent £25; comfortable residence; price about £450.
- 14.—BUCKS.—Good-class Family, Dispensing, and Photographic; returns £678, increasing; several good Proprietaries are included; large house; well kept and stocked garden; price £550.

Particulars of any of the above will be furnished on application.

N.B. NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

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Licensed Valuers,

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Telegrams, "Brett Leicester." Telephone 160 Y.

F. J. BRETT, M.P.S., gives personal attention to all VALUATIONS. An experience of over thirty years is at your disposal.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

1.—WEST OF ENGLAND.—Good-class Light Retail and Dispensing; returns average over £1,800; fine large double-fronted shop in first-class position; valuation of stock and fixtures, about £1,000; a real genuine investment to the right man.

2.—KENT.—Good-class Light Retail and Dispensing, situated in splendid position; returns £950; fine handsomely fitted shop; price valuation of stock and fixtures, about £650.

3.—SUSSEX.—High-class Retail and Dispensing; double-fronted shop, with large roomy house attached; situated in fashionable health resort; returns approach £1,300; price £950.

4.—YORKS.—Light medium-class Retail and Dispensing; returns £670, at a net profit of £200; old established; double-fronted shop, with nice house attached.

5.—CHESHIRE.—Good-class Light Retail and Dispensing; returns £725; situated in unopposed country district; low rental; price £450.

6.—LEICESTERSHIRE.—In good-class residential suburb of large town; fine handsomely fitted Pharmacy for Disposal; returns under manager £600; under principal were £1,000 (books shown); to a young smart man used to a good-class trade this Business is the very thing; any amount of scope for increase; very strongly recommended.

7.—LONDON, S.W.—Returns £800; net profit £250; good-class trade; neglected; plenty of scope for increase; large double-fronted shop; price £450, or valuation.

Valuations conducted in London and the provinces on favourable terms. Correspondence invited.

STOCKTAKINGS.—Write us for our SPECIAL TERMS for your Stocktaking. Our practical and extensive experience is invaluable to you.

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No. 27 Victoria MESSRS. BARCLAY & SON, LTD.

IN best position suburb of Yorkshire town, a good-class Family, Retail, returning £600, at good prices, with very small expenses; rent £41; price, value of stock and fixtures.

CENTRE of High Street, Kentish Town; good-class Dispensing and Retail; handsome double-fronted, well-fitted shop; good and commodious house and garden; returns £1,200; rent £80; price, valuation of stock and fixtures; owner retiring.

SPLENDID position; centre of Cathedral city, North; large shop and premises; now returning £600 without any side-lines; a large Agricultural trade can be easily added, and every branch developed to very considerable amount; price £475.

CENTRE of best residential part of fashionable South Coast town; handsome corner Pharmacy with modern house; returns increasing largely annually; now nearly £900; no Dentistry, Photography, or Optics; rent £66; price £400.

SEVERAL small Businesses from £100 to £150 in London and country.

Valuations for sale or probate or account purposes on reasonable terms. Inquiry invited.

FREDK. WM. SMITH,

Licensed Chemists' Valuer.

Businesses for disposal, Valuations for transfer, Probate, &c. Stocks and fixtures purchased to any amount for cash. Stocktakings undertaken, personally conducted.

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Businesses transferred privately.

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MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to Purchasers.)

1.—WEST OF ENGLAND.—Old-established Business, in splendid position; returns about £1,600; handsome corner shop, heavily stocked; good house; price for early sale £1,450, or valuation terms.

2.—SUSSEX (Fashionable Seaside Resort).—Light Retail and Dispensing Business; no side-lines; returns £850, increasing; attractive Pharmacy, well stocked; good house; low rent; price £600.

3.—MIDLANDS.—Sound Light Cash Retail Business in very good position; returns about £600; net profit £200 clear; corner shop, fully stocked; excellent house; price £260, or valuation.

4.—EASTERN COUNTY.—Unopposed Light Country Retail, with valuable appointment; returns nearly £800; net profit £250; low rent; good house and shop; well stocked; price £450.

5.—LONDON, W.—Light Cash Retail, in busy main road; returns over £30 weekly; very few Patents; net profit nearly £500; attractive shop, well fitted and stocked; price £800.

6.—LONDON, N.—Light Suburban Retail; returns £650; net profit £279; price £475; £100 can remain; personally inspected.

7.—LANCS COAST.—High-class Business, in splendid position; full prices obtained; easily worked; net profit £400, clear; handsome Pharmacy, fully stocked; price £1,000.

8.—NEWCASTLE-ON-TYNE (near).—General Light Retail, with profitable side-lines; returns £762; net profit £200; large shop in main-road position and well stocked; price £560.

9.—HAMPSHIRE (Market Town).—Sound Retail, Prescribing, Photographic, and Agricultural Business, increasing; returns over £500; net profit £164; low rent; fully stocked; good position; price £350, or near offer.

10.—HERTFORDSHIRE.—Unopposed Mixed Village Business; returns over £8 weekly; net profit one-third; scope for increase; low rent; nice house and garden; price £200.

11.—NORTH LONDON.—Brisk Cash Retail and Prescribing Business in main shopping centre; returns over £1,400; net profit £314; large shop, heavily stocked; price £950, or £150 and valuation.

12.—LONDON, S.E.—Good-class Retail and Dispensing; returns £600; net profit £190; low rent; price £280, about valuation.

STOCKTAKINGS. SPECIAL NOTICE.

Below are some reasons why you should have a yearly Stocktaking:

1. You know the exact profit made, which is so important in arriving at the value of a business.
2. You know whether you are overstocked and where you can reduce.
3. You know if you are fully insured against Fire and with our book you can make an indisputable claim.
4. In the event of your wishing to sell, you know the exact value of your business, which would often save disappointment to either vendor or purchaser.
5. In the case of branch shops it is an absolute necessity, if they are to be carried on with success.

MESSRS. BERDOE & FISH invite Chemists to write for their new and special terms for Stocktaking, which have been Revised and include a Scheme whereby no one now need go without this necessary and all important work being done.

40 YEARS' PRACTICAL EXPERIENCE.

See page 132 "C. & D. Diary," 1910.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

BATHEASTON (near Bath).—Good-class Business for Sale; stock and fixtures worth £175; will accept first offer of £150; must sell; satisfactory reasons; no opposition; house and garden; rent £18, on lease, or would sell property; good opening for Dentistry. Sampson, Cleveland Pharmacy, Bath.

EASTERN COUNTIES.—Old-established Chemist's and Stationer's Business; returns over £700; good profits; good house and garden; rent £25 per annum; situated in large Agricultural village; nearest Chemist 12 miles; a sound investment. "Genuine" (69/15), Office of this Paper.

EASTERN COUNTY.—Unopposed, good-class Country Business, with large sale own Proprietaries; good house, conservatory, outbuildings, with large garden stocked with fruit-trees; spacious covered gateway for empties; nearest Chemist 5 miles; rent £21; returns £650; an appointment brings in (in addition) over £50; price £600. "Statim" (72/8), Office of this Paper.

LANCASHIRE.—For Sale, a good old-established Business; Wine-licence; first-class stand; every investigation; house over shop; price £350. 71/6, Office of this Paper.

LIVERPOOL.—For Disposal, an old-established high-class Retail and Dispensing Business, with an exceedingly valuable amount of own Manufactured Specialities, having good sale and showing excellent profits; price £1,200. For particulars apply, by letter, to "D.", 19 Roxburgh Avenue, Aigburth Road, Liverpool.

LONDON, N.—Cash Prescribing and Dispensing Business, doing between £600 and £700 a year under management; thoroughly sound; capable of big increase, and trial given to genuine buyer with references; big opening for Dentistry; no reasonable offer refused. Apply, "X. Y. Z." (71/16), Office of this Paper.

LONDON, S.W.—Drug-store in large working-class neighbourhood; no immediate opposition; returns last year under unqualified management £350; has done more; profitable; Drugs and Prescribing; very few Patents; established over 20 years; price £80 or offer. Apply. 71/3, Office of this Paper.

LONDON, W.—The only Chemist in street; situated in a densely crowded neighbourhood; lock-up shop and parlour, with two good cellars; rent (including rates) only £54 per annum; net profit last year £235 (increasing), after paying every expense; practically no Patents sold; a qualified Englishman would double the business in a very short time; books, etc., open to strictest investigation; banker's, solicitor's, and Wholesale references. Apply, "Zotos" (73/24), Office of this Paper.

LONDON, N.E.—Light Retail, Dispensing, Prescribing, and Photographic Business, in good position, with scope for increase and opening for Dentistry; returns £600; price £200; part can remain. "Beta" (73/40), Office of this Paper.

MANCHESTER.—Chemist's Business for Disposal; established 38 years; in busy thoroughfare of working-class district; suit either qualified or unqualified; good Extractor could do well; other business reason for selling; price about £130; rent 10s. weekly clear. 72/18, Office of this Paper.

MANCHESTER (near).—Old-established Mixed Business in a populous thoroughfare for Sale; well stocked and unusually fitted; good opportunity for capable man; none but bona-fide purchasers entertained; reasonable offer accepted; advertiser, leaving trade, must close at once. 72/21, Office of this Paper.

MANCHESTER.—For immediate Sale, old-established Shop; no opposition, and in main street; good Dental connection of very old standing; full particulars on quick application. Apply, 72/38, Office of this Paper.

MANCHESTER DISTRICT.—Old-established Cash Business for Sale; shop well fitted; stock all saleable; main road; corner shop, private entrance; no reasonable offer refused; vendor leaving the district. Apply, "Tropel," c/o Wylcys, Ltd., Coventry.

MIDDLESEX (Charming District).—Retail, Dispensing, Photographic, Dentistry; returns about £700; nicely-fitted, double-fronted, handsome shop; York-glass recess-labelled bottles and jars; nice house; 10 rooms; small garden; tennis; goodwill and lease £50 and valuation of stock and fixtures. "Carbon" (71/2), Office of this Paper.

MIDLANDS.—Genuine Business; good middle-class neighbourhood; rapidly increasing; exceptional profits; takings mainly own Specialities and Drugs; expenses only 25s. weekly; good house; unique position; good opening for Optics and Dentistry; price £400 or valuation. Apply, 69/10, Office of this Paper.

NORTHERN Watering Place.—Admirable opportunity for acquiring old-established Business with fine connection; about £2,000 would be required. "Canthos" (71/29), Office of this Paper.

NOTTINGHAM.—Herb and Drug Stores, main road; old established; stock and fixtures recently valued at £130; will accept highest offer over £100. Apply, 2 Queen Street, Derby.

SOUTH COAST.—Good-class Retail and Dispensing Business for Disposal in select and rising seaside resort; returns approach £1,200, increasing yearly; most desirable residence; attractive modern Pharmacy, splendidly fitted, fully stocked; small goodwill and valuation required; applicants with about £900 will find this a most desirable investment. "S. C." (73/53), Office of this Paper.

SOUTH WALES.—Two compact Branch Businesses for Sale; doing £450 and £850 respectively in good ready-money centres. Apply, 69/101, Office of this Paper.

SUFFOLK.—Chemist's and Druggist's; situated in Agricultural district 7 miles from town; established 47 years; on main road from Norwich to Bury St. Edmunds; lease expiring July 21 next; full particulars given; no opposition; stock about £45; good opportunity for energetic young man. "Tincture" (68/10), Office of this Paper.

BARGAIN; £320 net cash; stock and fixtures worth £350; attractive lock-up shop; South-West; Light Retail cash trade; returns £780 to £800; net profit 25 to 30 per cent.; proprietor wishes to move for family reasons only. 69/8, Office of this Paper.

DRUG STORES; Worcestershire; fixtures, fittings, etc. £30; stock £50 at cost; cash only; healthy village; population 4,000, increasing; returns average £7 10s.; profit 40 per cent. under lady's management; rent 9s. 6d. per week clear; small house attached; unopposed; capital chance beginner; good reasons for selling; Photography, Optics, Prescribing, Extracting untouched. 71/27, Office of this Paper.

FASHIONABLE Seaside Resort (South-West).—Old-established Chemist's Business; Dispensing and Light Retail; rent £75; will be sold at a fair valuation, about £550. Address, "Alpha" (69/16), Office of this Paper.

FOR prompt Sale, the Family and Dispensing Business, established since 1808, at 21 High Street, Gravesend, and for the last 24 years successfully conducted by Mr. R. Feaver Clarke, who now retires; can be acquired on favourable terms; double-fronted, well-fitted shop; capital cellars, yard, and stable; suitable for Aerated-water business; Optical and Photographic branches could also be added; good house; 15 years' lease at moderate rent. Apply, by letter, to above, or particulars may be obtained from "B. H. & Co." The British Drug Houses, Ltd., 22-30 Graham Street, City Road, London, N. No agents.

FOR immediate Disposal, through ill-health, Drug-stores, London, N.W.; main thoroughfare in working-class locality; mostly penny and Prescribing; few Patents; splendid opening for Extractor; suit qualified or unqualified; price £75, practically valuation of stock and fixtures. Apply, 71/26, Office of this Paper.

MIXED Business for immediate Disposal in a populous mining town in South Wales; old established; also one in a working-class neighbourhood of a large seaport town in South Wales; profitable and scope for increase. 191/40, Office of this Paper.

MUST be Sold.—£550 will buy an old-established high-class Chemist's Business in first-rate position large town, Eastern Counties; well stocked and worth considerably more; returns about £900. Full particulars from "R. G." (72/25), Office of this Paper. No agents.

BUSINESSES FOR DISPOSAL

(continued.)

OLD-ESTABLISHED Mixed Drug and Grocery Business; good-class Family trade; returning over £2,000; genuine concern; about £800 required; this is not agency advertisement. For particulars apply, 66/4, Office of this Paper.

TO be Sold, the late Dr. Finegan's Medical Hall, 32 Thomas Street, Dublin; fitted at a cost of £500. Apply to Andrew J. Keogh, Auctioneer, 10 Lower Ormond Quay, Dublin.

UNOPPOSED Light Village Business, within 20 miles of London; returns between £800 and £850, at good profits; rapidly growing district; large shop, exceptionally well stocked; moderate rental; held on lease; satisfactory reasons for selling; price £475; this is a chance very seldom offered. Apply, "Village" (73/35), Office of this Paper.

VERY compact, profitable, unopposed Business in Yorkshire; Agriculture, Photo, Extraction; important works developing; good house and shop; very low rent; owner wishes to get to the South of England for health's sake. Full particulars, "Exox" (71/18), Office of this Paper.

£40 cash.—South London (2 miles from City).—Well-stocked Drug-stores, doing £6, and steadily increasing, under unqualified management; roughly fitted; good opening for Extractions, Artificial Teeth, etc.; small house, very low rent. Apply, immediately, to 74/7, Office of this Paper.

£150 will purchase a thoroughly genuine, old-established Business that has been neglected through bereavement and illness; now making £150 net profit yearly, proved by properly-kept books; has been double and can again, opposition being the same; references to leading Wholesalers; safe investment and chance for beginner. "Alpha" (72/12), Office of this Paper.

£1,000: small country market town in fine district West of England; old-established, good country Business for immediate private Sale; in present hands many years; splendid shop; fine residence with every convenience; vendor's own property; long lease granted; references given and required; no agents. "Vendor" (71/10), Office of this Paper.

£1,900 returns. — Good-class Dispensing and Light Retail Business offered for valuation of stock and fixtures, which, I should think, would be about £1,000, or perhaps a little more; in Devonshire; large shop (double fronted); good position for the sale of Photo goods. Bona-fide inquirers write, "Devon" (192/54), Office of this Paper.

SALES BY PRIVATE TREATY.

IN LIQUIDATION.—Mann's Drug-stores, Ltd.—For Sale, by private treaty, the Business now carried on at 31 High Street, Clapham, S.W.; stock and fixtures at valuation or offer. For further particulars apply, Charles Brannan, Chartered Accountant, 12 King Street, Cheapside, E.C.

FOR SALE.

FOR Sale, the Sole Right of a very fine Proprietary Article; most attractive registered name, which lends itself to a variety of articles; most suitable for a financial syndicate or chemist having a number of shops. 72/11, Office of this Paper.

FOR Sale, Chemist's entire Stock and Fixtures; sold either in one lot or divided; state requirements. 72/30, Office of this Paper.

FOR Sale, the Rights of a good Proprietary Toilet Article, already on the market, with registered trade-mark; P.A.T.A. list; a most excellent opportunity for a good business man or company with some capital. 74/8, Office of this Paper.

PROPRIETARY Medicine (Ointment) for Sale cheap; everything in running order. Full information from "Healing," c/o Potter's Advertisement Offices, 55 Ludgate Hill, E.C.

TENDERS.

NORTH ORMESBY HOSPITAL, MIDDLESBROUGH.

TENDERS are invited for the supply of DRUGS and DRESSINGS for the six months ending December 31, 1910.

Tender forms may be obtained from the undersigned on or before Tuesday, June 14.

June 10, 1910. E. C. SMITH, F.C.I.S., Secretary.

BUSINESSES WANTED.

MANAGERSHIP with view to Partnership or purchase; all-round experience; must have good house and show not less than £200 net profit; age 45; would entertain share of profits; tall; exceptional Salesman; banker's and other references. Write "Experience" (70/40), Office of this Paper.

A SOUND Business with returns of £1,200 or upwards is required by advertiser, who will pay cash; ample references as to financial position can be furnished before investigating. Address, stating returns, net profit, price, rent, and full particulars, 69/27, Office of this Paper.

ADVERTISER requires sound, good-class Business, Retail and Dispensing, in nice district, returning from £800; no Optics or Dentistry; near to Liverpool, Chester, North Wales, or N.W. Coast preferred. Particulars, in strict confidence as to business, house, district, business hours, price, etc., 72/1, Office of this Paper.

WANTED to purchase, for cash, a Business; returns between £600 and £1,200; London, or within an easy distance. Particulars to "P. S." (69/24), Office of this Paper.

WANTED, good-class Business in small or medium-sized town or seaside resort, doing a good turnover, by genuine buyer; replies treated as confidential. Apply, J. H. Campbell, Chemist, 15 Ashville Terrace, Cardigan Road, Leeds.

YOUNG and energetic qualified Chemist of excellent experience wishes to purchase, in a month or two, on easy terms, a good-class Country Business (or provincial town if good class); small capital at command; will accept Managership if given immediate interest; no agents. Write, in confidence, "Xaxa" (72/9), Office of this Paper.

ADVERTISER, extending his business with a few Proprietary Articles, is open to buy 1 or 2 good Trade-marks cheap, suitable for Cough-mixtures or Pills, or anything that can be profitably handled with little labour. Address, 72/17, Office of this Paper.

TO LET.

CHEETHAM HILL, MANCHESTER.—From June 24, Shop as now in occupation of Mr. Heath, Chemist, and Dwelling-house adjoining No. 2 The Grove; prominent business position. William Davies, Auctioneer, 9 Albert Square, Manchester.

FINE opening for Druggist; West Hendon; corner premises; 55 ft. length glass; best position in district; only one other Chemist; new growing neighbourhood; electric trams and omnibuses; owners shortly vacating and opening new adjacent larger corner premises. Apply, Canfield Stores, Ltd., Ironmongers, 182 and 184 Broadway, West Hendon, London, N.W.

SHOP to Let at Shepherd's Bush, W., junction of main roads (corner of Askew Road and Goldhawk Road); busy marketing centre; parade lit by H.P. incandescent lamps; large shop, 35 ft. by 17 ft.; 5 other rooms besides kitchen and usual offices and bathroom; back entrance; inducements to desirable tenants; caretaker on premises. Apply, Owners, Teuten & Co., 221 Upper Thames Street, London, E.C.

SHOPS (Branksome, Bournemouth).—Rapidly increasing neighbourhood; main road, near railway station and tramway junction; splendid opening; rents £60 and £70. Apply, Jones & Seward, Builders, Bournemouth West.

AGENCIES.

IRELAND.—An Agent on commission basis, taking large centres, good sound connection (10 years), good London reference, could do with additional Agency; Sundries not objected to. "F. J." (70/1), Office of this Paper.

AN established firm in the Mincing Lane district who have an outlet for Drugs, Seeds, Roots, Oils, and Chemicals are open to enter into negotiation with firms desiring a London depôt (office and warehouse); buying and selling on commission undertaken for Home or Export trade. 177/46, Office of this Paper.

GENTLEMAN with first-class connection among Chemists and Aerated-water Manufacturers, East, West and South of Scotland, open for one good Agency; highest references. 69/7, Office of this Paper.

GENTLEMAN with Indian, Far Eastern, South American, or Mediterranean Countries' experience, versed in Druggists' Sundries, desirous of securing another first-class Agency, should apply to "A. B." (192/369), Office of this Paper.

SYNDICATE for South African Representation wants one more firm to join, other than Druggist Sundries, Perfumery, Drugs; part expenses and commission. "A. B." (192/39), Office of this Paper.

PARTNERSHIPS.

LEEDS (Yorkshire).—Old-established Drug-stores, with Specialties; established about 50 years; paying 12½ per cent. under management; would sell half-share, or convert into private limited company; same management over 12 years; safe investment; no supervision or knowledge of trade necessary. For full particulars apply, Robshaw, 12 East Parade, Leeds.

PARTNERSHIP offered in promising Drug-stores, doing increasing trade; can draw 30s. weekly and share profits; Extractor preferred, as there is a good opening for Dentistry; only £50 capital required, advertiser desiring reliable assistance rather than money; references exchanged. State full personal particulars, also previous experience, to "Co-operation," c/o E. J. Thom, Esq., 63 St. Paul's Churchyard.

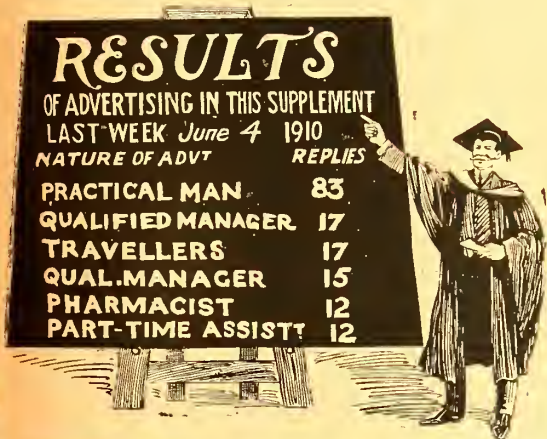
WANTED, Partnership (or as Assistant with a view to purchase) in a sound country business; Midlands preferred; Veterinary Specialities. Apply, "D. C." (70/3), Office of this Paper.

PREMISES FOR SALE.

BY Order of the Mortgagee.—Four Shops; lease 19 years; net rentals £89; old-established Chemist; with possession; no opposition; a fortune to a sober man; also a Shop for a Dentist; main road; near 4 stations; price £700 or offer. J. R. Howarth, Auctioneer, 21 Penton Place, London, W.C.

SITUATIONS OPEN

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETAIL.

BROMLEY (Kent).—Unqualified Assistant; gentlemanly; abstainer preferred; outdoors; good-class business; state age, height, salary required, and usual further particulars; unmarried. Henry Francis, M.P.S., 22 High Street, Bromley, Kent.

CHINA.—A qualified Assistant, age about 25; not married; must have had good experience in first-class Dispensing and Retail business; 4 or 5 years' agreement; passage paid out and home. Address, "China" (74/9), Office of this Paper.

CLACTON-ON-SEA.—Competent and trustworthy Assistant for about three months; accustomed to a good-class business and having a knowledge of Photography. Apply, giving full particulars, salary required (outdoors), and enclose photo, W. Mann, Chemist, Clacton-on-Sea.

DEVON (Honiton).—Junior Assistant required (age about 20) for good-class Country Retail and Dispensing business; weekly half-holiday; no Sunday duty. Full particulars to Cross, Chemist, Honiton.

EDINBURGH.—J. C. Pottage & Co. have a vacancy for a reliable Junior, accustomed to a good-class business. State usual particulars, etc., to 115 Princes Street.

KENT.—A capable Assistant, with all-round experience; must be a good Extractor and Prescriber and with recent references. Give age, salary required, and references, "Statim" (71/5), Office of this Paper.

LIVERPOOL.—Competent Assistant; experienced in Dispensing, Counter, and Photography; abstainer preferred; outdoors; age 25-35. Full particulars, with photo, to Ashcroft, Pharmacist, 112 Aigburth Road, Liverpool.

LONDON, W.—Qualified Assistant (indoors), about 24; good-class Dispensing business. All particulars to Harding, The Avenue, West Ealing.

LONDON, W.—Assistant; indoors; competent and experienced; used to good-class Dispensing. Apply, giving full particulars, personally preferred, or if by letter enclose photo and state salary, to H. H. Long, 48 Dorset Street, Baker Street, W.

LONDON, S.W.—Qualified Assistant (23-25) wanted for July 4; indoors; accurate Dispenser. Pope Roach & Son, 8 St. James's Street, S.W.

LONDON, N.W.—Junior Assistant, requiring time for study; indoors. If writing, state full particulars to G. Dauncey, Nugent Terrace, St. John's Wood.

SITUATIONS OPEN (continued).

LONDON, N.W.—Assistant wanted; 2 kept; indoors; experienced in Dispensing, Counter, and Photography; age about 25. Apply, personally or by letter, with full particulars, C. Coutts Michie, Chemist, 175 Kentish Town Road, N.W.

LONDON, S.E.—Smart qualified man as Manager; outdoors; used to Store trade; references must bear strictest investigation. Apply, giving full particulars as to age, height, and salary required, to Milner, 269 Trafalgar Road, Greenwich.

LONDON, W.—Qualified single man, about 25 or 26 (outdoors), as Dispenser; must write a clear hand. Apply, personally, or if by letter give age, salary required, references, and enclose photograph, to R. A. Potts, 62 South Audley Street, W.

LONDON, W.—Wanted, for June 20, smart Junior (indoors), about 20 or 21, accustomed to good-class Dispensing and Photographic. State age, height, salary, and references, enclosing photo (to be returned), to H. Dixon, 1 Russell Gardens, Holland Road, Kensington, W.

LONDON, S.W.—Required, Dispenser, holding Minor certificate; hours of work approximately 8.45 to 6 p.m., Saturdays till 3 p.m.; no Sunday duty; salary to commence at 45s., to advance to 50s. after six months' satisfactory service; duties, Dispensing only; 14 days' annual vacation. Reply, stating age, full experience, etc., 741, Sell's Advertising Offices, Fleet Street, London.

LONDON, E.—Wanted, thoroughly reliable Manager (immediately); need not be qualified, but must be well up in Prescribing and Counter work; references must be undeniable. State age, salary, and full particulars in first instance, 73/34, Office of this Paper.

LONDON, W.—Junior Assistant for good-class Dispensing and Retail business; must be good Counterman and have knowledge of Photography; outdoors. Full particulars and photo to "Alpha" (73/39), Office of this Paper.

LONDON, N.E.—Manager; qualified; good Counterman; knowledge of Photography; one whole day off weekly. Long, 197 Lower Clapton Road, N.E.

LONDON.—Young qualified, also unqualified, Assistants for busy Cash trade; comfortable and permanent berths for reliable men. Reply, with full particulars of age, height, salary, previous experience, references, and photo, to 74/5, Office of this Paper.

MANCHESTER DISTRICT.—Wanted, on June 20, qualified Manager (married, live on premises) for new Branch; must be good Counterman and Window-dresser; first-class references essential. Apply, giving full particulars as to salary (good house and gas included), age, height, experience, etc., to "Energetic" (70/34), Office of this Paper.

METROPOLITAN HOSPITAL, Kingsland Road, N.E.—Required, on July 4, for several weeks, qualified Dispenser (male), not over 40; salary 45s. per week. Applications, with copies of testimonials, to the undersigned. J. C. Buchanan, Secretary.

OXFORD.—Wanted, a qualified Junior Assistant, accustomed to good-class Retail and Dispensing business and Photography. State full particulars, age, height, and salary required (outdoors), enclose photo (to be returned), Mr. D. R. Thomas, Chemist, Oxford.

PLYMOUTH.—Junior or Improver wanted, for about two months' Relief work, to commence end of June. Full particulars in first letter, salary required (outdoors), to Plymouth Co-operative Drug Co., 20 Cornwall Street.

SOUTH AFRICA.—Qualified Assistants open to accept situations in South Africa should write to Lennon, Ltd., 54 Queen Elizabeth Street, London, S.E.

SOUTH WALES.—Unqualified Assistant; used to brisk Cash trade; capable to take charge; must be sober and reliable; £2 a week. Apply, "E. J." (69/11), Office of this Paper.

SUBURB OF LONDON.—Wanted, qualified Manager, married, about 30 years of age; Extractor; good knowledge of Photography; outdoors; permanency. State age, height, and salary, with references and recent photo, 68/29, Office of this Paper.

VENTNOR.—Immediately, Assistant; about 22; best-class Retail and Dispensing; knowledge of Photography essential; qualified or not; indoors; half-holiday weekly; a Junior leaving apprenticeship entertained if good experience. Usual particulars, stating when disengaged, to Dunning, Ventnor.

WOLVERHAMPTON AND STAFFORDSHIRE GENERAL HOSPITAL.

SENIOR DISPENSER REQUIRED.

Candidates must have passed the Major examination of the Pharmaceutical Society. The salary will be at the rate of £120 per annum; lunch will be provided in the Hospital.

Applications, with copies of testimonials, must reach the undersigned on or before June 30, 1910.

J. STEPHEN NEIL,
House Governor and Secretary.

June 7, 1910.

A JUNIOR Assistant required for Cash Retail and Prescribing business; board in, sleep out; or part-time man from College entertained. State usual particulars, salary required, where apprenticed, etc., to S. Baker, 16 Church Street, Greenwich.

ASSISTANT.—Chile, South America; unqualified; good-class Retail and Dispensing experience, also Photographic; age about 25; excellent opportunity for a steady man; engagement three years; first year £150, second year £160, third year £180; return second-class passage. Applications from qualified Assistants considered with increase of salary at £180, £190, and £200 per year respectively. Address, "G. C." c/o Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool.

DISPENSER and Bookkeeper (male) wanted; North London; give age, experience, salary required. Address, 68/20, Office of this Paper.

GENTLEMANLY, good all-round Assistant, with practical knowledge of Operating Dentistry; age 25 to 30; permanency; good progressive salary to suitable and energetic gentleman. "C. B." (72/74), Office of this Paper.

IMPROVER; Scotch border town; good prospects; time for reading and every encouragement given. "G." (191/30), Office of this Paper.

JUNIOR; unqualified; indoors; country business; good knowledge of Photography necessary. Letters, in first instance, to "D." Gildare, Beauchamp Road, Upper Norwood, S.E.

LADY Dispenser wanted, must have passed Minor, for afternoon and evening daily (Saturday afternoon only); salary £60 per annum. Apply to Geo. Gadbury, Secretary, St. Paul's Hospital, Red Lion Square, Holborn, W.C.

MANAGER, qualified, married, 30-35, at once, for small Branch; live on premises. Apply, with full particulars, to J. Parrott, 50 Friar's Stile Road, Richmond, Surrey.

QUALIFIED Manager wanted for Branch business, to live on premises; good references essential; permanency for suitable man. Prichard & Davies, Chemists, Bargoed, Glam.

QUALIFIED Assistant wanted with good Dispensing experience. Apply, with full particulars of age, height, salary, and previous engagements, and enclose photo (which will be returned), to R. C. Harrison, Ph.C., Hindhead Pharmacy, Grayshott, Haslemere.

QUALIFIED Manager wanted, at once, for London; must be intelligent and enterprising; one living in London preferred. Apply, in first instance, with full particulars of previous engagements, to 70/33, Office of this Paper.

QUALIFIED Manager for Mixed Country business; Midlands. Apply, 71/20, Office of this Paper.

SHARP Improver or Junior wanted (outdoors); no ladies. State age, height, experience, when disengaged, and salary (not to exceed 30s. per week), Francis T. Sanders, Chemist, Sutton, Surrey.

UNQUALIFIED Junior Assistant required for London, immediately; good Dispensing and Photographic experience essential. State age, salary required, and when at liberty, 192/58, Office of this Paper.

WANTED, immediately, well-trained Junior for good-class Light Mixed Retail, near Nottingham; outdoors; facilities for study. Full particulars in first letter, Mr. J., c/o Howard Lloyd & Co. Derby Road, Nottingham.

WANTED, a competent Assistant (indoors), qualified preferred for an old-established Family and Dispensing business. Apply with usual particulars, to P. Stacey, Pharmacist, High Street, Teddington, S.W.

WANTED, qualified Branch Manager; married preferred; must have best of references and be a smart Counterman; permanency to good man; half-holiday weekly; no Sunday duty. State wages required and give references from last two employers. Thompson's, Cash Chemists, Ashton-under-Lyne.

WANTED, on the 13th, qualified Assistant to manage Branch; hours 9 to 10.15, one evening off at 5, alternate Sunday evening duty; salary to commence with 50s. (outdoors). Apply, 70/32, Office of this Paper.

WANTED, competent Assistant; indoors; must be good Dispenser. Apply, with full particulars and enclosing photo, to Gregory & Wrean, Chemists, Taunton.

WANTED, part-time student for about five hours daily. S. G. Bartlett, Pharmacist, Jewry Street, Winchester.

WHOLESALE.

SOUTH AFRICA. — Representative, having already some substantial and allied agencies, wanted by Export Druggists; knowledge of country indispensable. Apply, with full particulars, to 94/67, Office of this Paper.

EXPERIENCED man wanted to take charge and develop the Put-up Goods Department of a Wholesale Drug House; previous experience absolutely necessary. Apply, with full particulars, to "Sassafras" (190/62), Office of this Paper.

REPRESENTATIVES wanted, with good connection among Chemists and Perfumers, to sell new high-class French Perfumery, etc., on liberal commission only; ground vacant, Eastern and South-Eastern Counties, Wales and Scotland. State fullest particulars, goods already carried, ground covered, periods of call, etc., 70/31, Office of this Paper.

TABLET-MAKER (Pill-making also of advantage) wanted by Cheshire firm. Full particulars, with salary, in confidence, to "L. M." (69/17), Office of this Paper.

UNDER-FOREMAN Packer with continuous experience in this department of Export Drug-house. State particulars of previous situation, whether disengaged, and wages expected, to 70/38, Office of this Paper.

WANTED, a young man, of fair education, who has had two or three years' working experience in the Manufacture of Medicinal and Fine Chemicals, and is accustomed to quick and accurate work; no one need apply who is without practical Factory experience, as it is essential to fill this position. Address full particulars as to age, experience, and salary expected, to "Manager," 27 Saint Jean Baptiste Street, Montreal, Canada.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

UNQUALIFIED seeks situation abroad (after summer season) in good climate (South Africa preferred). Arthur Coverdale, c/o Messrs. Timmis & Richards, 432 King's Road, Chelsea, S.W.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

[HOME.]

RETAIL.

DOES NOT FORGET.

A subscriber in business in the Transvaal writing to us on May 12, says among other things:
"The last time I procured a free copy of the Supplement at '42,' I obtained a situation in Kensington, where I was for three years previous to my leaving for S.A., where I have been for the past ten years."

C., 58 Felix Road, Bristol, open shortly for engagement, either as Representative, Window-dresser, or Partnership with energetic qualified man; excellent references.

LOCUM, disengaged July 11 to August 20. St. Aubyn, Cowick Lane, Exeter.

MANAGER, qualified; 15 years' experience. Full particulars to 69/38, Office of this Paper.

LOCUM, experienced, reliable; qualified; liberty June 20; terms moderate. Cook, Pharmacist, Cleethorpes.

LOCUM, qualified; 26; abstainer; Extractor, Photographic; disengaged. "Ferrum," 69 Spring Gardens, Buxton.

FRENCH Assistant Pharmacist (25) desires situation in English Pharmacy; no salary required. 70/11, Office of this Paper.

ASSISTANT, 39; disengaged; experienced; references; Dispenser; outdoors; country town. Dale, 82 St. Paul's Road, N.

STUDENT-ASSOCIATE; College trained; good business training; substantial position. Evans, 40 Forster Street, Smethwick.

ACTIVE, qualified; single man; 37; good varied experience; disengaged shortly. "Chemist," 53 Marsham Street, Maidstone.

PART-TIME, London; age 21; height 5 ft. 10 in.; Photo and Dispensing experience. "Junior," 198 London Road, South Lowestoft.

UNQUALIFIED; 32; good all-round experience; reliable; good references. "Aspirin," 11 Chaworth Road, West Bridgford, Nottingham.

LOCUM, elderly; qualified; experienced Dispenser and Prescriber; South Coast preferred; excellent references. 66/3, Office of this Paper.

CHEMIST'S ASSISTANT (lady) requires post in the North of England; over 12 years' Dispensing and Retail experience. "Confidence" (69/20), Office of this Paper.

LOCUM, emergency; disengaged; real good all-round experience; energetic; Extractor; in or out doors; age 37. Write or wire, "Chemist," 2 Glencoe Terrace, Wadebridge, Cornwall.

QUALIFIED; 26; Assistant or Manager; good Dispensing and general experience; permanency preferred; outdoors; disengaged June 25. Johnson, 62 South Audley Street, W.

PERMANENCY desired by qualified, single, active man; 38; varied experience; view to interest in business or otherwise; any class trade. "Industry" (67/24), Office of this Paper.

QUALIFIED; 26; tall; experienced: Locum, Manager, Senior, position of trust; accustomed good modern business; abstainer; exceptional references; South. Robinson, 83 Nodchill, Newport, Wight.

APOTHECARIES' HALL Student would like post in close proximity to Schools; 2 years' Surgery experience; Shorthand, Bookkeeping, and Typewriting; small remuneration. 69 28, Office of this Paper.

QUALIFIED Manager or Assistant; excellent all-round experience, including Photography; married; 35; disengaged June 18; Locum for present employer, with whom several years previously. Fnrber, c/o J. J. Giles & Son, Chemists, Folkestone.

ASSISTANT, taking Minor October, requires light situation after June 30; age 24; University Undergraduate, etc.; references; will accept moderate salary in return for decent hours, etc.; Retail, Photographic, Dispensing. Quirk, 5 Townsend Street, Worcester.

QUALIFIED Chemist, married, disposing of business, requires situation as Manager; 10 years' experience, high class, in country town, also in working-class district; Prescriber, good Dispenser; Newcastle-on-Tyne district preferred; references. Apply, 69/23, Office of this Paper.

UNQUALIFIED (35, outdoors), London or South preferred, requires situation, principally on Stock and putting up same; Wholesale or Retail; can Dispense and take Counter, but slightly deaf. "H. T.," 72 Southampton Row, London, W.C.

PHARMACIST (30), abstainer, married, Scotch, desires good position at home or abroad; view to Partnership or otherwise; first-class experience and testimonials; undeniable references to character and capabilities; accustomed to responsibility; Photography. 72/22, Office of this Paper.

SITUATIONS WANTED (continued).

TEMPORARY engagement, June 13 to 25; London. "Qualified," 32 Redburn Street, Chelsea.

JUNIOR; 19½; Counter, Stock, Photography. "Locum," 7 Graham Road, Bedford Park, London, W.

QUALIFIED; 26; well experienced; permanency. "Crux," 50 Sunlight Street, Belmont Road, Liverpool.

PART-TIME; Minor qualification; bookkeeping, stockmaking. Miss Sargent, 29 Bennett Park, Blackheath.

LOCUM; Lady Dispenser; qualified; disengaged. Miss Saul, "Worrinho," Worrin Road, Shenfield, Essex.

LOCUM or Manager; qualified; town and country experience. "Dispenser," 625 Seven Sisters Road, London.

LOCUM; qualified; all branches; Continental; disengaged June 26 to July 7. T. H. Buswell, Lutterworth.

QUALIFIED; Dispensing, Photographic, and Counter; excellent references. Walkinshaw, c/o Harrison, Grayshott.

JUNIOR; 20; Dispensing, Photo; good Counter references. Fulton, c/o Carter, Pharmaceutical Chemist, Chester.

LOCUM; qualified; Dispensing, Prescribing, Photography, and Extracting. "Minor," 51 Sherwood Road, Workshop.

CHAUFFEUR and Dispenser combined; disengaged. "Dispenser," 3 Hazlewood Cottages, Central Road, Leiston, Suffolk.

ASSISTANT; unqualified; outdoors; good experience; middle-aged. "Chemicus," 35 Crescent Grove, Clapham Common.

LOCUM or permanency; qualified; middle-aged; abstainer; disengaged. "Pharmacist," 64 Manchester Road, Southport.

LOCUM; 30 years' experience all grades; qualified; disengaged after 20th inst. Smith, 5 Hannah Street, Crowcroft Park, Manchester.

MANAGER.—Between York and London or Eastern Counties; qualified; married; permanency. Hicks, 9 Avenue Road, Newport, Salop.

JUNIOR (19½), tall, requires situation; 4½ years' experience in England; England or Scotland. Wainstein, c/o Glass, 2 Monteith Row, Glasgow.

MANAGER; exceptional experience; temporary or permanent; references to date; moderate salary. "Pharmacist," 168 Regent's Park Road, N.W.

LOCUM; qualified; open for fortnight commencing July 4; any class business; references excellent. Address, "Reliance," c/o 76 Radford Road, Nottingham.

LOCUM; 26; 10 years' first-class experience; highest references; qualified; disengaged June 26 to July 5, July 16 to 24. Garry, 18 Milkwood Road, Herne Hill.

WANTED, Locum work or permanency; careful Dispenser, smart Counterman, and capable; 36. Wire or write, Chadwick, 100 High Street, Street, Somerset.

ASSISTANT; unqualified; married; age 30; Dispensing, Photographic, and window-dressing, etc.; good Counter hand. "Aspirin," 85 Fotheringham Road, Enfield, N.

LOCUM; qualified; 26; experienced; good references for investigation; Dispensing, etc.; disengaged July 2; looking forward. W. Hudson, M.P.S., 148 Portland Street, Lincoln.

ASSISTANT; unqualified; 35; experienced in all-round trade; married; capable; Locum or permanency; disengaged. "Rhei," c/o Chemist, 100 High Street, Street, Somerset.

ASSISTANT to Chemist or Dentist; 25 years' thorough experience; exceptional references; expert painless Extractor and artificial; professional Photographer. Powell, 20 Muir Road, Maidstone.

QUALIFIED Assistant or Manager; exceptionally active and good appearance; neat, methodical; varied experience; quick at Counter; disengaged June 11; age 55; London preferred. "Dispenser," 7 Clifton Avenue, Walthamstow.

26/- per week.—Chemist's son desires engagement; aged 20; tall; 5 years' experience; 2 years in present situation; reason for leaving, requires further experience; capable Extractor and Prescriber; can take temporary charge; knowledge of Photographics; disengaged July 25. 4 Greenstead Road, Colchester.

HOSPITAL Locum; qualified. Irving, 32 Valnay Street, Tooting, London.

LOCUM; disengaged until July 9 and after August 10. Hobson Key, Brook Estate, Monmouth.

LOCUM; Optician; experienced; disengaged. "M.P.S.," 215 Leytonstone Road, Stratford, E.

J. PYE, 62 Lynette Avenue, Clapham Common, disengaged until July 11; day, week, or month.

DISENGAGED; unqualified; several years' experience. R. M. Lelean, 2 Rockville, Hautville, Guernsey.

LOCUM.—Pharmacist desires Locum; Photography, Optics, Extractor. 42 Templeton Road, Tottenham.

MANAGER; permanency or Locum; disengaged Monday; best experience. "Qualified," 22 Elgin Avenue, W.

QUALIFIED; disengaged; Dispensing and Counter; outdoors. "Aspirin," 2 Randolph Road, Maida Vale, W.

JUNIOR or Improver; 20; 3 years' experience; disengaged. "J. W. H.," 128 Prospect Road, Scarborough.

LOCUM; qualified; first-class experience; disengaged. "Chemist," 18 Brighton Street, Oxford Road, Manchester.

QUALIFIED; 26; 12 years' London and Continental experience; disengaged. Parry, Mynachdy, Ystrad Meurig.

QUALIFIED Drug-store Manager; 34; Locum for all or part of next fortnight. Apply, 73/30, Office of this Paper.

CHEMIST'S Assistant; unqualified; highest references; outdoors; disengaged June 24. 71/01, Office of this Paper.

UNQUALIFIED French Assistant; all-round experience; good references. Apply, Maccario, 77 Locksley Street, Bow, E.

LOCUM; unqualified; 15 years' London experience; good references; disengaged. "Locum," 92 Bedford Hill, Balham.

QUALIFIED; good experience; Dispensing, Photographic, and Counter; London preferred. 61/24, Office of this Paper.

LOCUM; 28; Major; 5 ft. 10 in.; experienced all branches, City, West-end, country; free June 13. 74/10, Office of this Paper.

MANAGER or Locum (qualified) in South-Western Counties; married; middle-aged. "Beta" (72/28), Office of this Paper.

PART-TIME student disengaged 8 till 1. Saturday after 3; wages 21s.; Sunday duty 5s. and meals. 73/32, Office of this Paper.

DISPENSERSHIP with Medical man; 36; qualified; Northern County preferred. Apply, "Aqua" (192/9), Office of this Paper.

ASSISTANT (unqualified); 23; tall; 8 years' all-round experience; good Dispenser and Prescriber; June 17. 74/14, Office of this Paper.

LOCUM or Branch Manager; good references; abstainer; 49; single; unqualified. "Chemicus," 7 Hazelwood Road, Northampton.

IMPROVER wants situation; 20½; outdoors; time for study; South preferred. Please apply to W. L. Pullen, London Road, Marlborough.

LOCUM; wide experience; energetic; in or out doors; aged 37. Write or wire, "Chemist," 2 Glencoe Terrace, Wadebridge Cornwall.

PHARMACIST and Dentist; all-round experience; good Dispenser Prescriber, and moderate salary; single; reference. 37 George Street, N.W.

DISENGAGED; good Dispenser, smart Counterman; good Prescriber and Extractor; experienced; reliable; abstainer 71/4, Office of this Paper.

M.P.S., F.S.M.C.; Manager; middle-age; experienced; moderate salary; London or near. "Statim," 6 Leytonstone Road, Stratford, E.

ASSISTANT (23), West-End experience, desires berth in London outdoors; excellent references. H. Preece, c/o Davies & Lons 48 Dorset Street, Baker Street, W.

UNQUALIFIED (22); good appearance and address; high-class Dispensing and Counter experience; disengaged end of August. "Orris" (70/18), Office of this Paper.

ASSISTANT (27), 5 ft. 8 in., energetic, good London Dispensing and Retail experience, seeks engagement in town; outdoors. A. A. Maitland, 8 Torrington Place, W.C.

MANAGER; qualified; married; thoroughly experienced; high-class town and country; a knowledge of Store methods. Apply, "Energetic" (70/37), Office of this Paper.

QUALIFIED (25), tall, booking dates mid-June to mid-August; highest references; excellent experience, West End and provinces. Rock, c/o Downing, Pharmacy, Welwyn, Herts.

DISPENSER and Bookkeeper to Doctor; experienced; unqualified; age 36; tall; disengaged after June 24; undeniable references; permanency desired. 71/1, Office of this Paper.

WANTED, situation for Dispensing experience in high-class business for about 3 months; good general experience and references; salary secondary consideration. Cox, 26 Victoria Street, Luton.

LOCUM or Part-time Dispenser (qualified) requires post Doctor, Chemist; experienced Surgery routine, assist Books, Bandaging; bright, quick; London preferred (in or out). "D.", 23 Bessborough Street, Victoria, S.W.

WHOLESALE.

SITUATION; Wholesale, Retail; 5 years' experience; references. 72/03, Office of this Paper.

TRAVELLER; 25 years' experience; Drugs and Packed Goods; moderate terms. 73/37, Office of this Paper.

SURGICAL APPLIANCES.—Experienced Lady Fitter seeks engagement; can be highly recommended. 61/35, Office of this Paper.

WHOLESALE.—Wanted, situation at Wet Counter or Despatch Counter; 15 years in last situation. Address, S. Carter, 6 Duncombe Place, York.

COMPETENT man (28) seeks situation; Wholesale; take charge; 10 years' experience in Wets and Specialities. "S.", 10 Queen Ann Road, South Hackney.

ADVERTISER (26 years of age) seeks situation; good all-round experience, Wholesale Chemists; disengaged when suited. 59/21, Office of this Paper.

ADVERTISER, well known Liverpool, Cheshire, North Wales, etc., personal connection, as Representative first-class firm Drug Sundries. "Statim," 52 Belmont Road, Liverpool.

PHARMACIST, with experience in the introduction of Specialities, desires position as Representative, Travelling, or Agency. Address, "Therapeutist" (69/13), Office of this Paper.

ADVERTISER (age 30), good address, seeks situation at Wholesale Counter of office, with prospects of getting on the road; disengaged; 12 years' experience. 70/29, Office of this Paper.

ADVERTISER (32), tall, good appearance, is open to engagement as Representative (successful salesman), Bookkeeper, or Clerk in Wholesale house; good references. 15/15, Office of this Paper.

ADVERTISER desires position small Wholesale and Retail; Travel part time; aged 30; abstainer; married; provinces (with view) preferred; excellent references. State terms, 69/9, Office of this Paper.

YOUNG man (24) desires engagement as Traveller with Druggists' Sundries house; Manchester and district experience; good reference and address. "Sunhouse" (69/25), Office of this Paper.

DRUGGIST (German) desires a situation as Warehouse Clerk or German Correspondent in an English Wholesale house; first-class references; one year's engagement; low salary as object is to learn English. 61/12, Office of this Paper.

LABORATORY Assistant.—Situation required in good Wholesale house; have had entire charge of first-class Laboratory for two years; thoroughly experienced in Manufacturing and Radardising, etc. Apply, "Aconite" (71/14), Office of this Paper.

CHEMIST, qualified, seeks situation in Wholesale Laboratory; 20 years' Manufacturing experience in good houses; accurate Radardiser, good organiser; can control men; good references; present in situation, but desires change. 72/35, Office of this Paper.

WELL-KNOWN and widely experienced Drug Traveller seeks engagement after July 1; 20 years' sound connection; over open Chemist's accounts in Lancashire, Yorkshire, and Northern Counties, besides all leading Grocers and Stores; first-class firms entertained; highest credentials; security in any form. "eracity" (71/24), Office of this Paper.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Black-Shares for Sale, S.E. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—250 Angostura Bitters 6 per cent. (participating up to 7 per cent.) Preference, 18s. 6d.; 200 Baku Oil, 5s.; 80 G. B. Kent Preference, 17s. 3d. c.d.; 165 Lewis & Burrows 6 per cent. Preference, 10s. 7½d., 160 Ordinary, 2s. 9d.; 200 Wright Layman 6 per cent. Preference, 21s. 7½d. **WANTED** (subject).—150 Camwal Preference, 4s. 10½d.; 700 Idris "A" Preference, 3s. 6d., £200 Debenture, 60s. List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

CHEAP SHOP FITTINGS (second-hand).—The Fittings for a Shop, £25.—One Range of 56 Mahogany Drawers, with glass labels and knobs and lockers underneath, £5 15s.; 1 6-ft. Mahogany Dispensing-screen, 60s.; 1 9-ft. Mahogany Window Enclosure, £4; 1 12-ft. Range of Drug-drawers (gold labels and glass knobs), £6; 1 3-ft. Plate-glass Counter-case, 35s.; 144 Gold-labelled Shop-rounds (a very good lot), £5 15s.; 120 Recess Label Rounds, £8 10s.; 3 3-ft. Plate-glass Shelves (with standard bars and brackets), 30s.; 1 4-ft. ditto, 42s. R. TOMLINSON & SONS, the Complete Chemists' Shopfitters, Bond Street, Birmingham.

GOOD PRINTING CHEAP.—Handbills from 1,000 2s. 6d., 5,000 6s. 6d., 10,000 11s.; Billheads, Memos, Cards, 100 1s., 1,000 3s. 9d.; Labels, Wrappers, and all Chemists' printing quoted for per return; good work, new type, prompt delivery; lists, samples, etc., free; terms cash; established 1895. Walter Knight, Printer, Rushden, Norths.

BARGAINS IN SHOPFITTINGS (second-hand).—Two Plate-glass fronted Serving Counters, one 17 ft. long, price £12, another 12 ft. long, £8 15s.; wall Show-case, 10 ft. 6 in. long, mirror centre, price £12 10s.; Drug-fitting, 12 ft. long, £12 10s.; Desk and Perfume-case, 45s.; Plate-glass Counter-case, 5 ft. long, 80s.; quantity of other fittings, various sizes, great bargains. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.O.

CHEMISTS' SHOP-FITTINGS (SECOND-HAND).—Ranges Mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens, counters with glass-case fronts, wall-cases, bent-front and flat-top counter-cases, counter-desks, tooth-brush cases, complete shop-rounds, etc.; every requisite for chemists; extensive stock to select from at extremely low prices; practical men sent to all parts; illustrated catalogue and estimates free. MATTHEWS, CHEMISTS' FITTER, 14 and 16 MANCHESTER STREET, LIVERPOOL.

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect RUDDUCK & CO., 262 OLD STREET, E.C.

CHEMISTS' BARGAINS.—Drug-fittings, Dispensing-screens, Wall-cases, Perfume-cases and Desks, Centre Cases, Counter-cases, Counters, Drawers, Window Enclosures, Glass Shelves, etc., All Shop-fittings, second-hand; lowest prices; can't be beaten; send for estimate, it will pay you; 30 years' practical experience. George Cook, The Working Shopfitter, 8a Cross Street, Islington, London.

FITTINGS (Second-hand).—12-ft. Drug Fitting, Mirror Poison-cupboard, bottle shelving and cornice; 8-ft. Wall-case; 6-ft. Dispensing-screen, mirror centre; 10-ft. glass-fronted Counter; Perfumery-case and Desk; Mahogany and plate-glass Counter-case; the lot £49 11s.; a bargain. H. Mills, Chemists' Complete Shopfitter, Shop Front Builder, Steam Works, 153-5 Old Street, London, E.C.

BY THE 4 O'CLOCK POST

on Wednesday, I got this report from a client who only received the goods he mentioned the previous Friday. "The Corn Silk is selling well; am making a window show of it to-day and next week with which is a grand idea." Chemists should note that this is merely one idea out of 32 that this chemist will receive, and you too if you follow his example and take up my system of Business Increasing which 50 chemists have tried and not found wanting. Twenty-eight clients out of the first fifty who paid their first year's fee are on the register to-day. Those who gave it a rest are slowly coming back, three or them in last three days. Of course they can do without me, BUT they make more money with my aid. Booklet free and PROOF AD LIB.

*Burnard Slack, 9 King St.
Tel. No. 381. Wolverhampton.*

GUMMED PRICE TICKETS.
Crimson ground, white figures. Stocked in all usual prices up to 21/-; each price handed separately in hundreds.
The Midget, 9d. per 1,000
The Magnum, 1/6 per 1,000
each 1,000 assorted 10 different prices. Full illustrated list of blanks for use with these tickets free on application.
DUDLEY & CO., Ticket Writers & Printers, Holloway, London.

1/3

10^d

A MIDLAND PHARMACIST WRITES

"Please book me for another year, and hope it will prove as beneficial as the past twelve months have done." This Pharmacist first tried three months, and the fact of rejoining for a further twelve months proves he is more than satisfied. I have satisfied others, and can satisfy you. Booklet, "How to Increase your Business," sent post free on application to Pharmacists only. Only one Pharmacist in a town supplied with ideas, &c. No catchpenny ideas sent, and no clashing possible.

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

Exchange Column—Bargains.

TERMS.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No Advertisement inserted for less than 6d.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

B.P., '98, Perkin Kipping's "Organic," Lowson's "Botany," Humphrey's "Materia Medica and Pharmacy," Newth's "Inorganic," "Art of Dispensing," 8th edition; what offers? all in good condition. M. MOUNTFORD, Elm Grove, Salisbury.

DENTAL.

NINE tooth forceps, very useful set; £1 2s. 6d. 73/31, Office of this Paper.

DRUGS AND CHEMICALS.

GUM. opii opt.; about 5½ lbs.; offers; deposit. "PHARMACIST," St. Helier, Foxley Hill Road, Purley, Surrey.

OPTICAL AND PHOTOGRAPHIC.

ABOUT 1 gross spectacles and folders; assorted; £1 accepted to clear. FELTWELL, 91 Hammersmith Road, W.

PROPRIETARY ARTICLES.

OFFERS wanted; Virol, 12 2-oz., 12 4-oz., 12 14-oz. 69/26, Office of this Paper.

SHARES.

SHARES for sale. See p. xxix.

MISCELLANEOUS.

TYPEWRITER; No. 10 Yost; condition good as new; cost £23; accept half-cost or offers. FLAVELL, 59 Sponend, Coventry.

THREE months' College course for sale by student unable to continue, also books. Miss LUSTY, Wilberforce House, Epsom.

BEST circular red rubber air-cushion; 18 in.; as new; cost 15s.; bargain, 10s. H. H. CHADWICK, 7 York Terrace, Akroydon, Halifax.

CAMWAL syphon carriage; holds 24; small drawer underneath; rubber-tyred wheels; what offers? BELLAMY, Agnes Road, Barnsley.

SECOND-HAND soda-water complete machine and gross syphons; splendid money-maker; every syphon a permanent travelling advertisement. 59 Shakespeare Street, Southport.

LEITZ student's microscope (new). Flatter's student's slides and book; cash £3; bargain; or exchange camera; Pharmacopodia, 4s., and other books. HAMMOND, 60 Marlborough Street, Oldham.

BARGAIN.—Barnett & Foster's "Compact" syphon-filling plant; very little used; good as new; 50 per cent. under cost; also about fifty doz. syphons; excellent condition. EVANS, Chemist, Westgate-on-Sea.

WANTED.

PILL massing roller; Colton's preferred. 69/33, Office of this Paper.
SPLIT Apollinaris bottles, 7s. per 100, car. forward. WHYSALL, Grantham.

SEVERAL mortars and pestles, various sizes. STORTON'S, LTD., Perfumers, Northampton.

TINCTURE percolator; small. Particulars, REEVEY, 21 Fairfield Road, Tranmere, Birkenhead.

SANDERSON'S ¼ or ½ plate camera. Send particulars to "CHEMIST," 5 Darlington Street, Wigan.

GOOD, rigid ½-plate camera, complete with lens; suitable for copying and enlarging. PYMAN, Westgate-on-Sea.

FRENCH "Codex," also Martindale's "Extra Pharmacopoeia"; recent editions; state lowest price. 5 Bute Street, Cardiff.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

WANTED, consultation of experts in distilling chloroform, ether sulphuric, and in manufacturing morphine and codeina. Apply. "J. D.," (72/19), Office of this Paper.

FULL price given; 3 copies each of "Bromide Enlargements" and "Lantern Slides," Popular Photo Series, by J. Pyke. Address, 13 Mapperley Street, Sherwood, Nottingham.

SHOP bottles and jars, gold or recess labelled; dispensing scales scales and weights, weighing 2 lb.; must be cheap and in good condition. Particulars and lowest price to 91 High Street Sevenoaks.

Students, Please Note!

Nothing is so bad for the nerves, which are, of course closely connected with the brain, as a lack of sufficient sleep. Thousands of constitutions have been wrecked, and will continue to be wrecked, until people learn that in spite of electric lights and other devices for turning night into day the night is made for rest. Observations show that the only strong and serene-minded people are those who sleep regularly for seven to nine hours out of the twenty-four. To many this may seem a great waste of time, but it is economical in the end, for Nature will not be cheated. She exacts her full price: either to-day or thirty or forty years hence matters not, for she is absolutely merciless, and will take nothing less than the uttermost farthing.

Ye students all, who bold would dare
To try a fall at Bloomsbury Square
Or at York Place N.B.,
Read the above with fearful zeal,
And as you love your future weal,
Don't stew past 9.30.

What though the Minor's drawing near,
Don't you repine; when stern "Beaks" fear
"You're shaping rather poorly,"
Repeat aloud the words above,
And then when ploughed, say that you love
Health better far than glory!—*Chcm.*

India and the East.

(From the "C. & D." Correspondents.)

Mr. A. N. McMILLAN, chemist and druggist, of Messrs. Cargills, Ltd., Colombo, Ceylon, left for Europe by the s.s. *Syria* on May 24, on six months' holiday.

Mr. W. D. WILSON, manager of the Penang Dispensary, Ltd. (late Graham & Co.), is severing his connection with that firm and leaving for Malacca at the beginning of June.

Mr. A. MACKINTOSH STEWART, manager of the Dispensary, Ltd., Bishop Street, Penang, left for Singapore on May 7 on a short holiday, accompanied by Mrs. Stewart.

AN OPIUM WINDFALL.—Owing to the extraordinary rise in the price of Indian opium (says the Calcutta correspondent of the "Times of Ceylon") the Government revenue during April from this source is 113 lakhs ahead of the estimate.

CEYLON CAMPHOR.—There are 600 to 700 acres under camphor in Ceylon, but so far practically nothing is produced: only 2 cwt., valued at rs. 500, was shipped during the first quarter of the year, against 9 cwt. during the corresponding period of 1909.

COCAINE AND OPIUM SEIZURES.—Barely a week passes without seizures of cocaine and opium at Singapore, Chinese ship stewards being the greatest offenders. Cocaine, valued at 175*l.*, was seized on the *Hong Moh*, and illicit chandu (smoking-opium) valued at \$12,000, while 270 oz. of cocaine and 560 tahils of opium were seized on the *Seang Bee*.

Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

The figures in parentheses refer to the classes in which the marks are desired.

(From the "Trade-marks Journal," May 18, 1910.)

NONAL," and label device; for a beverage (42). By Nonal Co., Ltd., 84 Lillie Road, Fulham, London, S.W. 321,605.

BRIGHT'S BANNER BRAND," and label device; for all goods (44). By Walter Brights, Ltd., 55 Townsend Street, Dublin. 322,088.

STERNVALE," for oils and greases (47). By Stern-Sonneborn Oil Co., Ltd., 16 Finsbury Square, London, E.C. 322,466.

(From the "Trade-marks Journal," June 1, 1910.)

JUZI," for all goods (2) and (47). By Cleanse Manufacturing Co., 3 Back Peach Street, Liverpool. 321,912/3.

KEERAZONE," for chemicals (2). By J. A. Deakin, 37 Thomond Terrace, Dublin. 322,851.

EMBASSY," for all goods (3) and (47). By Ogston & Tennant, Ltd., 92 Loch Street, Aberdeen. 320,274/5.

SANATOGEN WULFING," for a medicinal preparation (3). By J. A. von Wulffing, 231 Friedrichstr., Berlin. 316,530.

GLOBEOL," for medicinal chemicals (3). By L. Graux, 11bis rue Villebois-Mareuil, Paris. 321,678.

HOMOLAX" and "HOMOLOIDS," for all goods (3). By Homoea, Ltd., 4 and 5 Scrubb's Lane, Willesden Junction, London, N.W. 321,966/7.

EUCRASTINE" for a cure for drunkenness (3). By C. N. Freshman, 88 High Holborn, London, W.C. 322,045.

AMIOS," for an ointment (3). By C. S. Mason, 43 Dartmouth Road, Forest Hill, London, S.E. 322,361.

ANGIER'S EMULSION," label design; for a medicine (3). By Angier Chemical Co., Ltd., 86 Clerkenwell Road, London, E.C. 322,591.

OB ROY," for hot-water bottles (40). By Hooper & Co., 7 Pall Mall East, London, S.W. 321,974.

IBROLA," for food-substances (42). By Callard, Stewart & Watt, Ltd., 49 Old Bond Street, London, W. 319,735.

REMALBA," for a confectionery preparation (42). By Stevenson & Howell, Ltd., 95a Southwark Street, London, S.E. 321,996.

"FRANCESCINE," for a toilet-cream (48). By "Frances" Preparations Co., 36 Grosvenor Road, Canonbury, London, N. 313,518.

Label device with ostriches and palm-trees; for perfumery (48). By Gustav Boehm, Sprendlinger Landstrasse, Offenbach-am-Main. 316,823.

Label design showing lake and trees; for perfumery, etc. (48). By Vinolia Co., Ltd., 41a Upper Thames Street, London, E.C. 317,259.

"FULFORD POWDER," and label design; for toilet-powder (48). By C. E. Fulford, Ltd., Greek Street, Leeds. 318,712.

"CRÈME SIMON," and label designs; for a toilet-cream (48). By J. Simon & Cie., 66 Rue de l'Université, Lyons. 321,737.

"DOREST," for perfumes, etc. (48). By Frank Blower, 4 Worcester Street, Kidderminster. 322,369.

"GUDA," for a dry-shampoo powder (48). By Du Bosch & Gillingham, 285 Regent Street, London, W. 322,961.

"ILASLO" and "NEROME," for all goods (48). By Alicia Melville, 78 Lansdowne Place, Brighton. 323,116.

Coming Events.

This Section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Tuesday, June 14.

National Union of Assistant Pharmacists, Sheffield Branch. Temperance Hall, Townhead Street, at 9 P.M. Mr. J. Gilbert Jackson will give an address on "Ucal Products."

Thursday, June 16.

Chemical Society, Burlington House, Piccadilly, London, W., at 8.30 P.M. Among the papers are two of a series of studies of dynamic isomerism, further papers on the colour and constitution of diazonium salts and on the relation between absorption spectra and chemical constitution. Mr. A. Clayton has two papers on coumarin derivatives. Another paper is on the "Estimation of Sodium as Bismuth Nitrite," by Mr. W. C. Ball.

Friday, June 17.

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 11 A.M. Meeting and election of Executive.

SOCIETY OF CHEMICAL INDUSTRY.—The annual general meeting of the Society will be held in the Natural Philosophy Lecture Theatre of the Technical College, Glasgow, on July 6.

The combined launch trip of the Thames Valley Pharmacists' Association, the Western Pharmacists' Association, and the Croydon Pharmacists' Association will take place on June 22. It is proposed to start from Bourne End at 10.30 A.M., to lunch at Windsor, and subsequently to serve tea on board. Tickets (10*s.* 6*d.* each), which include train fare from Paddington, lunch, and tea, are obtainable from the Secretaries of the three Associations, or Mr. Alfred Higgs, 42 Richmond Road, Kingston-on-Thames.

The combined annual excursion of the Glasgow and West of Scotland Chemists' Association and the Edinburgh Chemists' Trade Association will be held on June 22 to Loch Eck. The train leaves Edinburgh 6.25 A.M., Glasgow 8.30 A.M., for Gourock, thence by steamer to Dunoon, coach to Loch Eck, steamer to head of Loch, and coach to Strachur, where the steamer is again joined. There will be a short time on shore at Inverary, after which steamer will return to Gourock *via* Kyles of Bute. Tickets (Glasgow 12*s.* 6*d.*, Edinburgh 15*s.* 6*d.*) may be had from the Hon. Secretaries, Mr. A. McMillan, 623 New City Road, Glasgow, and Mr. G. H. C. Rowland, 7 Castle Street, Edinburgh.

Where to Study.

The following educational institutions are advertising in this issue:

Muter's (South London) School of Pharmacy, 325 Kennington Road, London, S.E.

London College of Pharmacy, 323 Clapham Road, London, S.W.

South of England School of Pharmacy, 186 Clapham Road, London, S.W.

Manchester College of Pharmacy, 225A-227A Oxford Road, Manchester.

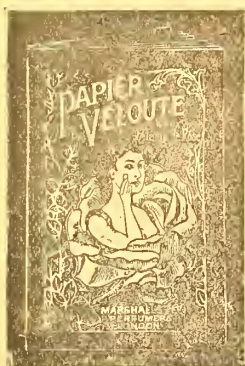
Leeds College of Pharmacy, Clarendon Road, Leeds.

Northern College of Pharmacy, 100-102 Burlington Street, Manchester.

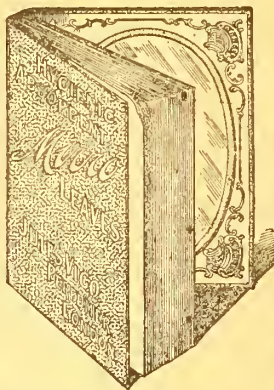
Chas. Harker, Chapter Road, Cricklewood, London, N.W.

MARSHALL, Colebrooke Works, ISLINGTON, N

TELEPHONE: 833 CITY.

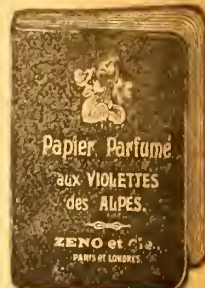
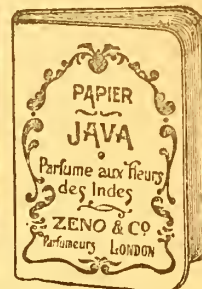
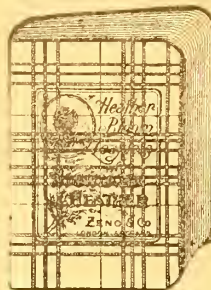


Best selling Book on the Market. 8/-, 15/-, 24/- gross. Extra per doz.

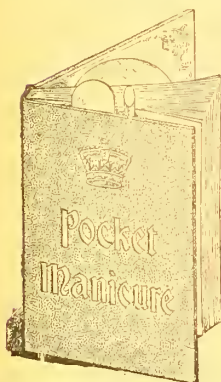


With Mirror, 30/- gross.

BOOKLETS UP TO DATE.
INDISPENSABLE POCKET TOILET COMPANIONS.



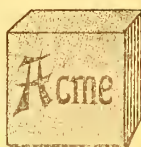
Gilt edge, satin bound for high-class trade, 3/6 doz.; with Mirrors, 4/- doz.



Nail Powder Leaves and Manicure Requisites, also Mirror... 4/- doz. A cheaper line in card covers, 2/6 doz.



Well-made Leather Wallet, with Gilt edge Powder Leaves. Also improved Nail Smoother & Polisher, &c., 8/- doz. Refills, 1/6 & 2/6 doz.



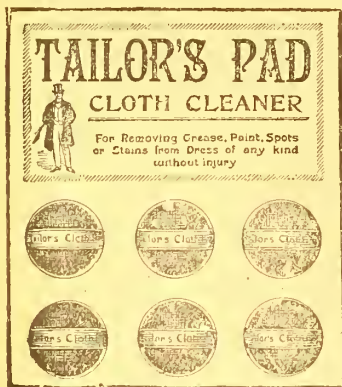
3/- per doz.



Orange Sticks 1/2 doz. in bundle. 2/6 doz. bundles.



1 doz. in Box. 5/6 per doz. boxes.



12/- per gross.



FACE CHAMOIS. Made with Powder Soap, Puff and Skin Smoother combined. 3/9 box of two.



Prepared with White Hazel, &c. Packaged in 1/2-oz. Collapsible Tubes, antiseptic, complete with Vaseline Rectum Tube, 7/6 doz. Spare Rectum Tubes, 2/- doz.

TUBE WINDERS.



3/- gross.



COLLAPSIBLE TUBES

OF ALL KINDS.

Adeps Lanæ, Anhydrous, Odourless, 10d. per

PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

Acetanilide, B.P., 1 cwt. @ 11½d. lb.; 7 lbs. @ 1/2 lb.; 1 lb. @ 1/3 lb.	• Ess. Pear (artificial), Jargonelle, 5 lbs. @ 1/6 lb.; Bergamot, 2/6 lb.	Quassia Chips, 1 cwt. @ 12/6 cwt.; 28 lbs. @ 2d. Quinine Bisulph. 100 oz. @ 8d. oz.; 25 oz. @ 9d. oz.; 10 oz. @ 10d. oz.
• Acet. Ipecac. B.P., 7 lbs. @ 1/3 lb.	• Ess. Pineapple, 5 lbs. @ 3/4 lb.	Quinine Ethyl Carb. (Tasteless), 100 oz. @ 2/- oz.; 10 oz. @ 2/6 oz.
• Scilla, B.P., 7 lbs. @ 3d. lb.	• Rasperry, 5 lbs. @ 2/2 lb.; 1 lb. @ 2/6 lb.	Quinine Hydrobromas or Salicylate, B.P., 100 oz. @ 11½d. oz.; 25 oz. @ 1/0½ oz.; 10 oz. @ 1/2 oz.
• Acid Acet. Glacial, 99%, Carboys 144 lbs. @ 4½d. lb.; 12 6-lb. bots. @ 6½d. lb.; 6 lbs. @ 8d.	• Vanilla Beans, 5 lbs. @ 4/4 lb.; 1 lb. @ 4/7 lb.	Quinine Sulph., B.P., 100 oz. @ 6½d. oz.; 25 oz. @ 7½d. oz.; 10 oz. @ 8d. oz.
Acid Acetylo-Salicyl., 56 lbs. @ 1 lb.; 7 lbs. at 2/4 lb.; 1 lb. @ 2/6 lb.	• Ext. Ergot. Liq. P.B., 5 lbs. @ 2/11 lb.; 1 lb. @ 3/2 lb.	Rad. Jalap, English Ground, 28 lbs. @ 1/7 lb.; 7 lbs. @ 1/9 lb.
• Boric Pulv., 3 cwt. @ 28/- cwt.; 1 cwt. @ 28/6 cwt.; leviged, 3/- cwt. extra.	Ext. Ergot. solid B.P., 7 lbs. @ 12/6 lb.; 1 lb. @ 13/- lb.	Rad. Rhei, E. I., English ground, 1 cwt. @ 1/- lb.; 28 lbs. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.
• Carbol Xtls., 39/40; 56 lbs. @ 5d. lb.; 10-lb. tins @ 5/- each; Detached Cryst. 8/- each; 36 1-lb. Bots. @ 8½d. lb., Single Bots. 11d. lb.; Detached Cryst. 1 lb. @ 1/1 lb.; Crude Black, 45 Gall. Casks @ 10d. gall.; 1 Gall. Tins @ 1/5 each.	• Ext. Ipecac. Liq. P.B., 5 lbs. @ 14/- lb.; 1 lb. @ 15/- lb.	Saccharine .550 or .500, 7 lbs. @ 34/6 lb.; 1 lb. @ 35/6 lb.; .330, 7 lbs. @ 27/- lb.; 1 lb. @ 28/6 lb. For Export only, 1 cwt. lots @ 5/- lb. for .550.
• Diethylbarbituric, 16 oz. @ 34/- lb.; 1 oz. @ 2/6 oz.	Granular Effervescent Preparations in 5 lb. Bots, 3 lb. Bots. 1d., 2 lb. 2d., 1 lb. 3d. extra per lb. Caffeine Cit. B.P., 2/2 lb.; Lithia Cit. P.B., 1/10 lb.; Magnes. Sulph. P.B., 1/3 lb.; Phenacetin, 5 gr. in 1 dram, 2/9 lb.; Soda Sulphas, P.B., 1/1 lb.	Sacchar. Ust., 1 cwt. @ 25/6 cwt.; 10 lbs. @ 4d. lb.
• Hydrobrom., dil. B.P., 6 lbs. @ 6d. lb.	Ichthyol Ammon., 3 lbs. @ 10/9 lb.; 1 lb. @ 11/- lb.	Sal. Acetos., 1 cwt. @ 5½d. lb.; 56 lbs. @ 6½d. lb.; 7 lbs. @ 7d. lb.
• Hydrocyan. P.B., 6 lbs. @ 1/1 lb.; 1 lb. @ 1/4 lb.; 36 1 oz. Vials @ 3/6 doz.	• Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/1 lb.	Salicinum, B.P., 1 lb. @ 16/6 lb.
• Oxalic Cryst., 5 cwt. @ 3½d. lb.; 1 cwt. @ 3½d. lb.; 14 lbs. @ 3½d. lb.	• Buchu Conc., 1 to 7, 6 lbs. @ 1/5 lb.	Salol, B.P., 7 lbs. @ 2/3 lb.; 1 lb. @ 2/6 lb.
• Phosph. Dil., B.P., 8 lbs. @ 4½d. lb.	• Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.	Sang. Draconis pulv., English ground, 1 cwt. @ 1/10½ lb.; 7 lbs. @ 2/0½ lb.
• Salicyl. pulv., 7 lbs. @ 1/1 lb.; phys. pure, 1 lb. @ 3/- lb.	• Caryoph. Conc., 1 to 7, 6 lbs. @ 11d. lb.	Sapo Cast. Alb., 10 cwt. @ 24/- cwt.; 2 cwt. @ 25/- cwt.; 7 lbs. @ 3½d.; pulv., 1 cwt. @ 60/6 cwt.; 56 lbs. @ 64/- cwt.; 7 lbs. @ 7½ lb.
• Tart., cryst. or pulv., B.P., 1885, 1 cwt. @ 9½d. lb.; 7 lbs. @ 10½d. lb.; parv. ½d. lb. extra.	• Inf. Cascarella Conc., 1 to 7, 6 lbs. @ 1/2 lb.	Animal pulv., 1 cwt. @ 55/- cwt.; 56 lbs. @ 60/- cwt.; 7 lbs. @ 7d. lb.
Aloes Barb., English ground, 28 lbs. @ 66/- cwt.; 7 lbs. @ 8d. lb. @ 1/3 lb.	• Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.	
Ammon. Brom., P.B., 1 cwt. @ 1/1½ lb.; 7 lbs.	• Gentianæ Co., 1 to 7, 6 lbs. @ 11d. lb.	
	• Quassia Conc., 1 to 7, 6 lbs. @ 9½ lb.	
	• Rhei Conc., 1 to 7, 6 lbs. @ 1/5 lb.	
	• Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.	
	• Senegæ Conc., 1 to 7, 6 lbs. @ 2/- lb.	
	• Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.	

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Bismuth P.B. Carb., 7 lbs. @ 7/11 lb., 3 lbs. @ 8/1 lb., 1 lb. @ 8/3; Subnit. 1/- lb. less, (not more than 7 lb. assorted to each 5 order).
Orders not in accordance with the above, 6d. per lb. extra.

Ammon. Carb. lump, 3 cwt. @ 3½d. lb.; 28 lbs. @ 4½d. lb.; 7 lbs. @ 5d. lb.; powder, ½d. lb. extra.	Insect Powder, Opt., English grd., closed flowers, 28 lbs. @ 2/- lb.; 7 lbs. @ 2/1 lb. English ground, ½ closed Flowers, 6d. per lb. less.	Santoninum P.B., 7 lbs. @ 37/9 lb.; 1 lb. @ 38/9 lb.
• Aqua Anethi Conc. 1-40, 1 lb. @ 2/11 lb.	Foreign grd., 1 cwt. @ 80/- cwt; 28 lbs. @ 9d. lb.	Soda Cit., B.P., 3 lbs. @ 1/10 lb.
• Anisi Conc. 1-40, 1 lb. @ 3/1 lb.	Lin. Camph. P.B., 40 lbs. @ 10½d. lb.; 9 lbs. @ 11½d. lb.	Soda Salicyl. Pulv., 7 lbs. @ 1/5 lb.; phys. pur., 28 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
• Cinnamon Conc. 1-40, 1 lb. @ 3/4 lb.	• Liq. Bismuth. P.B., 6 lbs. @ 11½d. lb.	Soda Sulphite Recryst., 1 cwt. @ 16/6 cwt.; 7 lbs. @ 4d. lb.
• Aqua Aurant. Trip., 53 lbs. @ 17/6; 6 lbs. @ 7d. lb.	Manna, fine New Flake, 14 lbs. @ 3/- lb.; 7 lbs. @ 3/2 lb.; 1 lb. @ 3/8 lb.	Sodii Bromid. P.B., 1 cwt. @ 1/0½ lb.; 7 lbs. @ 1/2 lb.
• Aurant. Conc., 1-40, 1 lb. @ 6/1 lb.	Menthol, dry white cryst., 60 lbs. @ 8/6 lb.; 5 lbs. @ 9/1 lb.	Soda Hyposulphite, pea cryst., 1 cwt. @ 8/6 cwt.
• Rosæ Trip., 53 lbs. @ 17/6; 6 lbs. @ 7d. lb.	• Mist. Sennæ Comp. B.P., 20 lbs. @ 6½d. lb.; 6 lbs. @ 7½d. lb.	• Spt. Ether Nit. P.B., 4½ lbs. @ 3/6 lb.; 1 lb. @ 3/9 lb.
• Rosæ Conc., 1-40, 1 lb. @ 6/- lb.	Morphinæ Acet. Hydrochlor. or Sulph., Pulv., B.P., 25 oz. @ 7/11 oz.; 16 oz. @ 8/1 oz.; 8 oz. @ 8/2 oz.; 1 oz. @ 8/6 oz.; Pur. Fræcip., Bimeconate or Tart., 1 oz. @ 11/- oz.	• Sp. Ammon. Aromat. P.B., 5 lbs. @ 2/8½ lb.
• Samb. Trip., 53 lbs. @ 23/6; 6 lbs. @ 8d. lb.	Naphthaline, Candles or Balls, 1 cwt. @ 12/- cwt.; 56 lbs. @ 14/- cwt.; 28 lbs. @ 15/6 cwt.	• Spt. Chloroformi, P.B., 5 lbs. @ 3/7 lb.
• Samb. Conc., 1-40, 1 lb. @ 6/1 lb.	Oil Olivæ P.B., good yellow, guaranteed pure, 45 gall. Barrel @ 4/6 gall.; 2 gall. tins @ 5/6 gall.	Strychnina cryst. B.P., 25 oz. @ 2/- oz.; 1 oz. @ 2/3 oz.; Hydrochlor. and Sulphate, 2d. oz. less.
• Laurocerasi, 53 lbs. @ 17/6; 6 lbs. @ 7d. lb.	Opium Turc. B.P., 14 lbs. @ 15/10 lb.; 3 lbs. @ 16/3 lb.; 1 lb. @ 17/- lb.; powder, 6d. lb. extra.	Sugar of Milk, B.P., 1 cwt. @ 44/- cwt.; 7 lbs. @ 6d. lb.
• Menth. Pip. Conc. 1-40, 1 lb. @ 3/- lb.	Potass. Iod. P.B., 1 cwt. @ 7/9 lb.; 14 lbs. @ 7/10 lb.; 3 lbs. @ 7/11 lb.	Sulphonol P.B., 1 lb. @ 9/6 lb.
Calcii Carb. præcip., 5 cwt. @ 12/6 cwt.; 1 cwt. @ 14/- cwt.; 28 lbs. @ 19/- cwt.	Potass. Permang., Cryst., 1 cwt. @ 38/- cwt.; 7 lbs. @ 5d. lb.; large cryst., 7 lbs. @ 6d. lb.	• Syr. Aurant. P.B., 7 lbs. @ 9d. lb.
Camphor, English Flowers, "not artificial," 5 lbs. @ 1/10 lb.; ½ oz. 7 lbs. @ 1/11 lb.; ½ oz. 7 lbs. @ 2/3½ lb. Crude, good white about 92% as imported, 140 lbs. @ 1/4 lb.; 10 lbs. @ 1/5 lb.	Potass. Prussias Flav., 7 lbs. @ 7½d. lb.	• Easton B.P., 7 lbs. @ 1/- lb.
Cetaceum; No. 1, fine white English, 64 lbs. @ 1/3 lb.; 7 lbs. @ 1/4½ lb.; powder, 7 lbs. @ 1/10 lb.	Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 33/- cwt.	• Ferri Iodid. P.B., 7 lbs. @ 1/1 lb.
Cocaine Hydrochlor., B.P., 25 ozs. @ 6/10 oz.; 4 oz. @ 7/3 oz.; 1 oz. @ 7/6 oz.		• Ferri Phosphat. Co., 7 lbs. @ 5d. lb.
Codeina, 1 oz. @ 11/5 oz.; Phosph., 1 oz. @ 9/11 oz.; Hydrochlor. or Sulph., 1 oz. @ 10/7 oz.		• Hypophosph. Co. B.P.C., 7 lbs. @ 9d. lb.
Cream Tartar, 98% powder, 1 cwt. @ 76/- cwt.; 7 lbs. @ 9d. lb.		• Pruni Virg. B.P., 8 lbs. @ 7d. lb.
Cubebæ, English Ground, 7 lbs. @ 2/- lb.		• Rhamni, 7 lbs. @ 10d. lb.

*Minimum quantity at these prices, Home Trade, 3 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted.

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One Shilling size	Under 6 dozen	10/- per dozen net.	Cash with order.
	6 dozen	9/9 per dozen net in 30 days, or	9/6 cash in 10 days.
	12 „	9/3 do. do.	or 9/- do. do.
Four Shilling size	Under 1½ dozen	40/- per dozen net.	Cash with order.
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Reject  Worthless Substitutes
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GLYCEROLE OF NEPENTHE (eight times the single strength) for hypodermic injection. In 1 oz. Bottles.
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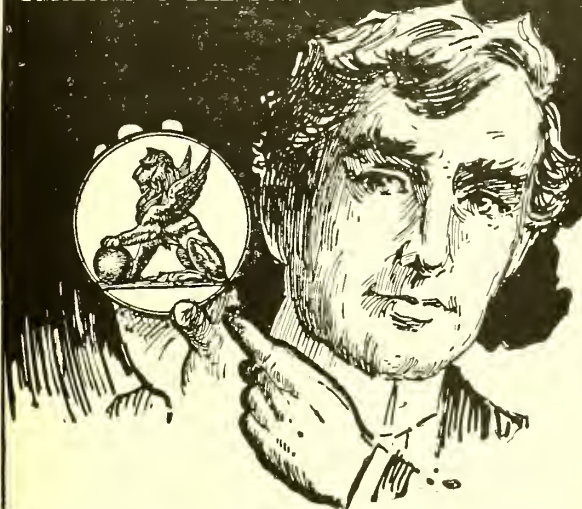
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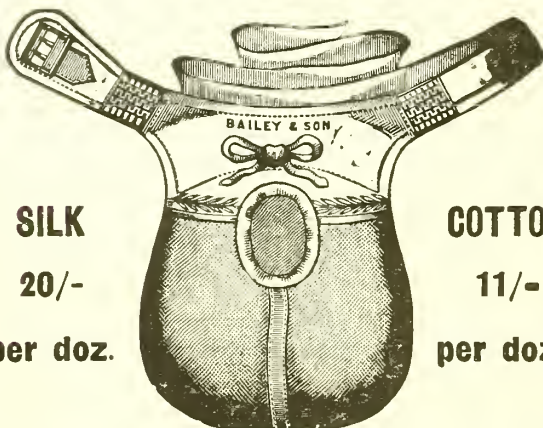
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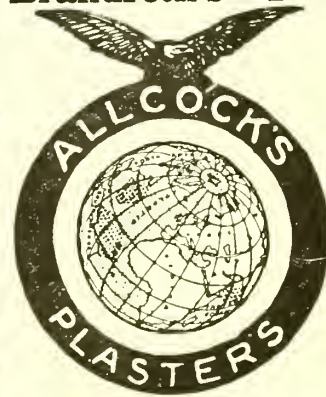
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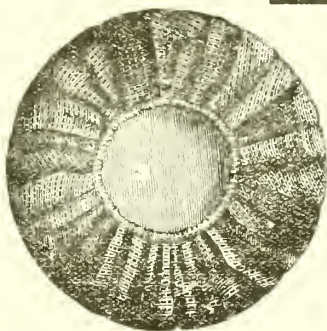


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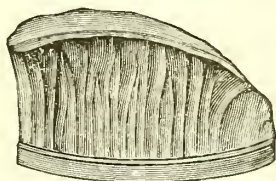
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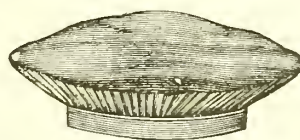
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SUPER QUALITY "NEPTUNE," WITH PATENT

STOCKINETTE LINING, RED ONLY, ALL SIZES,

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For years I took

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I am, Sirs, yours truly, J. W.
Besides being a grand refresher, Herb Beer made from

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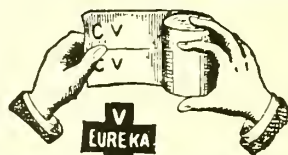
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